McGill University Montreal

Faculty of Medicine
1950-1959

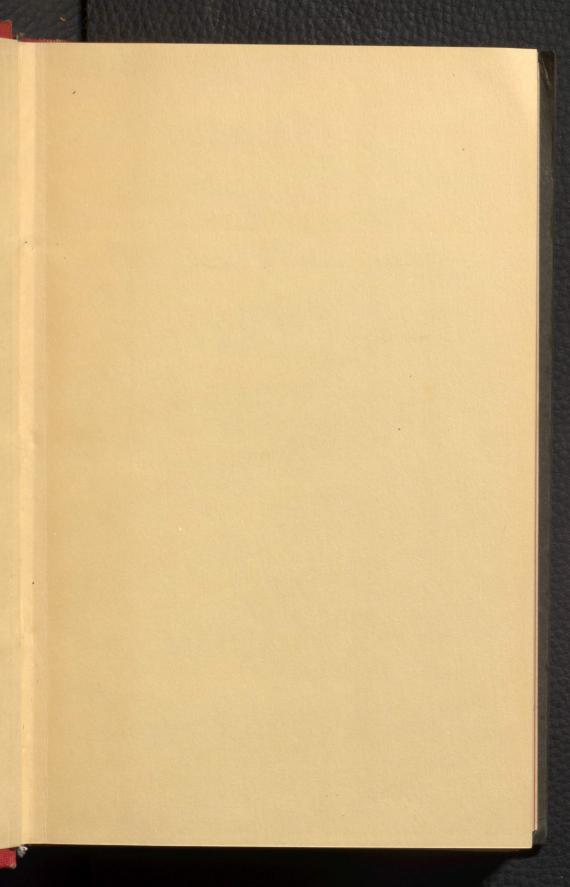
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McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1950-1951

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

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FEES

The following are the fees for 1950-51. In subsequent sessions, however, the University reserves the right to change its fees at any time if, in the opinion of the Board of Governors, circumstances so require.

I. UNIVERSITY FEES

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fee is the Students' Society Fee (see page 303).

FULL TIME REGULAR STUDENTS	
Arts. \$250. Science 300.	
Science	
Engineering and Architecture (all years)	
Medicine 450.	00
Dentistry	00
Divinity (except regular candidates for ordination)	00
Fine Arts 275.	00
Law I select a blanca algories but selfund ratio of sources 275.	00
Music 250.	00
Library School	00
Commerce	00
Graduate Faculty	00
School of Physical Education	00
School of Social Work	00
School for Graduates Nurses (Diploma Course)	00
School for Graduate Nurses (Degree Course)	00
Physiotherapy 275.	00
High School Diploma Course	00
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CONDITIONED STUDENTS	
Special fee for an additional course repeated or substituted by	
Conditioned Students (one full course or two half courses) \$10	.00
LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE	
Per Course	.00
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PARTIAL STUDENTS Courses Cour	ses
Arts, Science, and Commerce, per course \$36.00 \$72	.00
Engineering, per hour of instruction per week, per term. 12.00 12	.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Chief Accountant.

Partial students pay \$5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is \$22.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

Partial students taking less than three full courses pay \$5.00 for the McGill Daily and use of the McGill Union, while those taking three or more full courses pay the regular Students' Society fees.

PAYMENTS BY INSTALMENTS

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	\$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (see page 311)	2.00
Graduation in absentia	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copies (at same time)	.50
Re-reading examination paper (see page 313)	10.00
Supplemental examinations, each paper	10.00
Rental of microscope (per term)	
Rental of microscope (for the session)	12.00

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of \$5.00.

III. STUDENTS' SOCIETY FEES

An annual fee of \$15 (\$16 in Engineering and Medicine) is payable by all undergraduates and partial students taking three or more full courses for the support of student organizations. Engineering students are required to make a deposit of \$10.00 for the Engineering Undergraduates' Book Service. Medical students pay an additional \$2.00 for the Medical Journal.

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The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

The women's fee is distributed as follows: Women's Union \$3.50: McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

Students in the Faculty of Graduate Studies pay an annual fee of \$3.50 for the support of the McGill Union or Women's Union, and \$1.50 for the McGill Daily.

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V. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium, rinks, tennis courts, etc., is included in the University fees listed on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost \$1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

- 1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.
 - 2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when remitting fees by mail.
 - 3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
 - (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
 - 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
 - 5. Board and residence fees are payable for the full academic year and shall not be refunded, except in special circumstances.

EXPENSES

It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (see pages 306, 307, 309-311). Books are necessarily a variable expense, but probably \$50 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. FOR MEN

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	\$600.00
Arts, Science, Commerce, Law	635.00
Medicine and Dentistry (fourth year)	670.00
Medicine and Dentistry (lower years)	700.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of \$40.00 on the normal fee will be allowed.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	\$595.00
Arts, Science, Commerce, and Law	625.00

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of \$3.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS

The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings.

The cost of board and lodging in approved rooms varies from \$60 to \$80 per month. Separately, board costs from \$40, and a room from \$25, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 301 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students center in the College, which contains a separate library, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

ADMISSION

Students applying for residence in the College must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma, and have complied with the health regulations (see paragraph on Health, page 309).

Admission is based upon scholarship, character, health, and general promise.

APPLICATION FOR RESIDENCE

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 31st. (Students should not await the results of their matriculation examinations before applying.)

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First Year—Thursday, September 28th.

Upper Years-Friday and Saturday, September 29th and 30th.

Residences will open for all students on Tuesday, September 26th, when the mid-day meal will be the first to be served. Students will not be admitted before this date.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, by the day after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

RATES

The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$635.00 and for a student occupying a double room, \$610.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$3.00 per day.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

A House Fee of \$8.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

MCLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senior nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES			
Course	Period	Single	Multiple
Dentistry 1, 2, 3	Sept. 4- *	\$470	\$385
Dentistry 4	Sept. 4-Convocation	475	390
High School Diploma	Sept. 4-June 9	510	415
(Education)	or the Chelletina Rollday S		
Law 1, 2, 3	Sept. 27- *	395	325
Law 4	Sept. 27-Convocation	435	355
Library School	Sept. 22-Convocation	455	375
Medicine 1, 2, 3	Sept. 4- *	510	415
Medicine 4	Sept. 4-Convocation	475	390
Social Work	Sept. 28-June 22	480	395
Graduate Faculty	Sept. 29-May 15	415	340

Additional periods will be charged at the following daily rates: Single, \$2.00; Multiple, \$1.65.

HEALTH SERVICE

The object of the student Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come

^{*} To the end of examinations.

to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of \$5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department may authorize additional services or contributions towards such cost.

The Student Health Service is organized to provide:

(a) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

The examination for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All third year students' examinations include, besides the X-ray and laboratory procedures, a complete clinical check.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of \$2.00 is made. Any student who fails to have a medical examination by the Student Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students is available at the various centres of the Student Health Service. These centres are located for men on the McGill Campus at 490 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed. N.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

(c) The consultative service is included in the Student Health Service fee

In case of hospitalization when obtained through the Student Health Service, payment will be made for one-half of all public ward rates in a designated general hospital, up to a maximum of \$125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motor-cycles anywhere on the Montreal campus except in such areas as may be specifically designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium provides accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other students should carry passports.

RE-READING OF EXAMINATION PAPERS

Upon payment of a fee of \$10, a student may apply in writing to the office of the Dean of the Faculty concerned to have an examination paper re-read. This must be done not more than thirty days after the examination results are published.

CALENDAR FOR THE SESSION 1950-51

May 29th, Monday, Convocation.

June 28th, Wednesday. French Summer School begins.

July 1st, Saturday. Dominion Day

July 3rd, Monday. Geography Summer School begins. Registration in Summer School for Teachers.

July 29th, Saturday. Last day of lectures, Summer School for Teachers. August 10th, Thursday. French Summer School ends.

August 12th, Saturday. Geography Summer School ends.

August 30th, Wednesday. Last day for filing Graduate theses for Autumn Convocation.

September 1st, Friday. Summer School in Mechanical Engineering begins. Fall Survey School begins. Students in certificate courses in Public Health Nursing, and Advanced Psychiatric, Obstetric, and Paediatric Nursing report to the School for Graduate Nurses for field work.

September 1st, Friday. Registration in Medicine and Dentistry begins.

September 4th, Monday. Labour Day.

September 5th, Tuesday. Registration in Medicine and Dentistry finishes. Registration of students in the School for Teachers. Supplemental examinations begin in Arts and Science, Commerce, Engineering, Architecture, Divinity, and in the School of Physical Education.

September 6th, Wednesday. Lectures begin in all years of Medicine and Dentistry. School Certificate examinations begin.

September 7th, Thursday. Second and Third Year Women students in the School of Physical Education report for Autumn Outdoor School.

September 7th, Thursday. High School Diploma students report for training in the Department of Education.

September 8th, Friday. Seminars begin for High School Diploma students.

September 11th, Monday. Conservatorium of Music opens for practical work. Second and Third Year Men students in the School of Physical Education report for Autumn Outdoor School.

September 11th, Monday to September 23rd, Saturday. Final orals for Ph.D.

September 15th, Friday. Students in certificate courses in Teaching and in Supervision and Administration in Schools of Nursing report to the School for Graduate Nurses for observation in Hospitals. First Year Degree students in Public Health Nursing register.

September 18th, Monday. Last day for receiving applications for admission to the Graduate Faculty. Last day for reports on Ph.D. theses.

- September 20th, Wednesday. Last day for reports on Masters' theses.
- September 22nd, Friday, and September 23rd, Saturday. Students register in the Library School.
- September 25th, Monday. Lectures begin in the Library School and in the Faculty of Music.
- September 27th, Wednesday, and September 28th, Thursday. Registration of students in Law, and all years in the School of Physiotherapy.
- September 28th, Thursday. Students register in the School of Social Work.
- September 28th, Thursday. Registration of First Year students in Arts, Science, Commerce, and Physical Education. Registration of students in all years in Engineering and Architecture.
- September 29th, Friday. Students in Fourth Year Physical Education register.
- September 28th, Thursday, and September 29th, Friday. Degree students register in the School for Graduate Nurses except 1st year Public Health Nursing.
- September 29th, Friday, and September 30th, Saturday. Registration of Upper Year students in the Faculty of Arts and Science and in all years of Divinity.
- September 29th, Friday. Lectures begin in the School of Social Work.
- October 2nd, Monday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research.
- October 2nd, Monday. Freshman Welcome. Lectures begin in Arts and Science, Commerce, Divinity, Engineering, Architecture, Law, Agriculture, Household Science, Social Work, Physiotherapy, Physical Education, The School for Graduate Nurses, and in the Faculty of Graduate Studies and Research.
- October 6th, Friday. Founder's Day. Convocation.
 (James McGill born October 6th, 1744, died December 19th, 1813.)
- Thanksgiving Day. No lectures. Date to be announced by the Dominion Government.
- October 14th, Saturday. Last day for submitting certificates relating to summer employment in the Faculty of Engineering.
- October 21st, Saturday. Last day for registration (Registrar's Office) and payment of fees for students in the Faculty of Graduate Studies and Research.
- November 11th, Saturday. Remembrance Day. No lectures.
- November 13th, Monday. Autumn term examinations begin in the School for Teachers.

December 2nd, Saturday, to December 9th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.

December 15th, Friday. First term ends in the Library School.

December 18th, Monday, to December 20th, Wednesday. Examinations in the Library School.

December 20th, Wednesday. Last day of lectures in all Faculties and Schools, and last day of field work in the School of Social Work.

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January 4th, Thursday. Lectures resumed in Medicine, Dentistry, Graduate Studies, Music, Social Work and the School for Teachers. Second term begins in Law. First term examinations begin in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, Divinity, and Physiotherapy.

January 8th, Monday. Lectures resumed in the Library School.

January 11th, Thursday. Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, Divinity, the School for Graduate Nurses, and Physiotherapy.

January 24th, Wednesday, to January 26th, Friday. Examinations held in the School of Social Work.

January 29th, Monday. Second term begins in the School of Social Work. February 10th, Saturday. Founder's Day at Macdonald College.

(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 16th, Friday, and February 17th, Saturday. Mid-term weekend holiday

February 24th, Saturday Examinations in German for Ph D. students in Physics only.

Library School trip. Dates to be announced.

March 23rd, Friday, to March 26th, Monday (inclusive). Easter vacation.

March 27th, Tuesday. Spring term begins in the School for Teachers.

April 6th, Friday. Lectures end in Upper Years of Engineering and Architecture.

April 7th, Saturday. Last day for filing Ph.D. theses.

April 11th, Wednesday. Examinations begin in Upper Years of Engineering and Architecture.

April 19th, Thursday. Lectures end in First Year Engineering and in all other Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 20th, Friday. Last day for filing theses for Master's degrees.

April 25th, Wednesday. Examinations begin in Arts and Science, Commerce, First Year Engineering, all years in Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.

April 28th, Saturday, to May 12th, Saturday. Final orals for Ph.D.

April 28th, Saturday. Examinations begin in the Theory of Music.

May 1st, Tuesday. Last day for application for the majority of Graduate Fellowships.

May 1st, Tuesday. Examinations begin in Higher Theoretical Music.

May 3rd, Thursday. Last day for reports on Ph.D. theses.

May 4th, Friday. Lectures end in the Library School and in the School of Social Work.

May 5th, Saturday. Last day of lectures in Music.

May 7th, Monday. Practical Examinations in Music begin.

May 8th, Tuesday, to May 11th, Friday. Examinations in the Library School.

May 9th, Wednesday. Examinations begin in the School of Social Work.

May 11th, Friday. Last day for reports on Masters' theses.

May 14th, Monday. Full-time field work in First Year of the School of Social Work and full-time research work in Second Year begin.

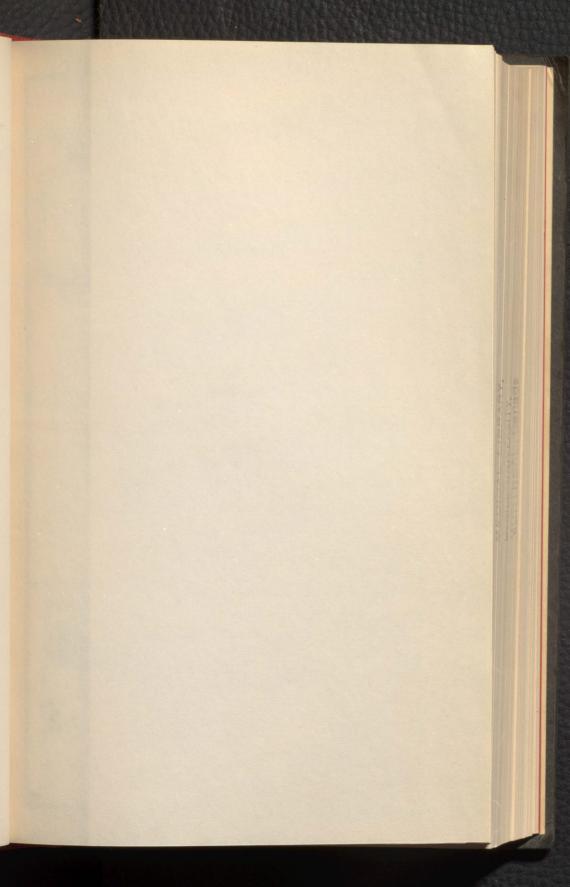
Date to be announced. Convocation.

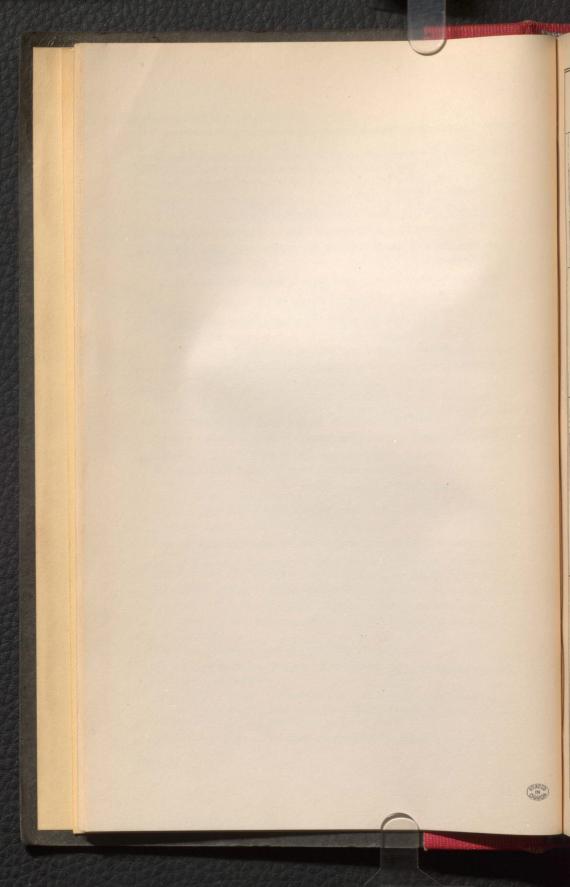
June 7th, Thursday. Closing exercises, School for Teachers.

June 11th, Monday. School Certificate Examinations begin.

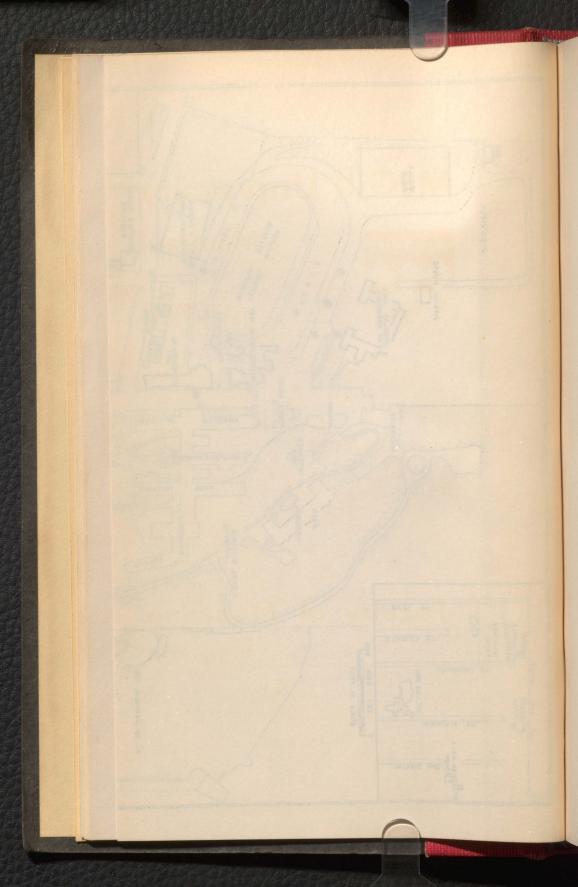
June 22nd, Friday. Second term ends in the School of Social Work.

October 1st, Monday. Lectures begin in Arts and Science, Commerce, Divinity, Engineering, etc.





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McGill University



Montreal

Faculty of Medicine

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts, in Pure Science, and in Fine Arts. There is a separate announcement for the School of Commerce)

Faculty of Medicine

Faculty of Medicine Post Graduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physiotherapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Geography Summer School

Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

- F. CYRIL JAMES, B.Com. (Lond.), M.A., Ph.D. (Penn.), D.Sc. (Clarkson), D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, New York, etc.), D. de l'U (Montréal), F.R.S.C., Chevalier de la Légion d'Honneur Principal
- JOHN J. O'NEILL, Ph.D. (Yale), M.Sc., F.G.S.A., F.R.S.C. Vice-Principal G. LYMAN DUFF, M.A., M.D., Ph.D. (Tor.), F.R.S.C. Dean of the Faculty
- D. S. Fleming, B.A., M.D., C.M., D.P.H. (Tor.) Secretary of the Faculty
- S. H. DOBELL, D.S.O. Comptroller and Executive Assistant to the Principal WILLIAM BENTLEY, C.G.A., A.C.I.S., L.C.M.I. Bursar
- T. H. MATTHEWS, M.A. (Oxon.) Registrar
- G. A. GRIMSON, B.Com. Chief Accountant
- RICHARD PENNINGTON, B.A. (Birmingham), Lib.Dip. (Lond.)

University Librarian

- R. L. STEHLE, M.A. (Ohio State), Ph.D. (Yale) Honorary Medical Librarian
- W. W. FRANCIS, A.B., M.D. (Johns Hopkins)

Osler Librarian and Director of the Museum of the History of Medicine

MISS G. D. MUDGE Assistant Secretary of the Faculty

Special announcements are available for the School of Physiotherapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

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pas J. O'Nent., Ph.D. (Yale), M.Sc. F.G.S.A., F.R.S.C. Vice-Principal

G. LYMAN DUFF, M.A., M.D., PLD. (Lor.), F.R.S.C. Description of the Facely

Dr. S. Pickeller, B.A., M.B., C.M., D.P.H. (Tur.) Serviney of the Family

WILLIAM BENTLEY, C.G.A., A.C.I.S., L.C.M.L.

T. H. Marranys M A. (Ovon)

G. A. Grossov, B.Com.

RICHARD PRIMARGON, B.A. (Birmingham), Lib.Dip. (Lond.)

'81 L. Srem.E., M.A. (Obio State). Ph.D. (Yele) Honorery Medical Laboureso

W. W. FRANCIS, A.B., M.D. (Johns Hopkins) with the street of the Highest of Argument

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Faculty of Medicine

The one hundred and eighteenth session of the Faculty will open on September 6th, 1950, for students of the first year.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required: Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of reason why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 1st or Tuesday, September 5th, 1950. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

LINIVEDSITY FEES

ON	YEROITI FEED	
1.	REGULAR STUDENTS	
	Annual fee	\$450.00
	By instalments: each of two instalments	227.50
2.	REPEATING A YEAR POSSESSED THE BOOK OF THE BOOK OF	
	Students repeating a year pay	
3.	PARTIAL STUDENTS	
	Qualified students may be admitted as partials to one or more on payment of special fees.	
4.	AD EUNDEM FEE	
	Students entering any year above the first, pay a special ad eundem fee of	\$10.00
		1400

- 5. DIPLOMA OF PUBLIC HEALTH FEES
 - The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.

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6. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is \$250.00.

STUDENTS' SOCIETY FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS

Regular students (men)	\$16.00
Regular students (women)	16.00
Partial students taking less than three courses	5.00
By instalments: half with each instalment.	

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 5th, to Thursday, September 7th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and

1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 305-310).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 310).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
 - b. one year of interneship in an approved hospital,

Surgery Charetring and Cynacology Payablers

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Pædiatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anæsthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology, and examinations preliminary to the final major examinations. A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more then two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

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There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

GRADING

At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C=Fair

D = Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1607.)
- 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

GE

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC-Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO-Dr. Robert T. Noble, 566 University Ave., Toronto, Ont.

NEW BRUNSWICK-Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND-Dr. I. J. Yeo, Charlottetown, P.E.I.

Manitoba—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

Saskatchewan—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

Newfoundland-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DE

DEPARTMENT OF ANAESTHESIA

Professor — , Chairman Associate Professor H. R. GRIFFITH

Assistant Professors C. R. Stephen F. A. H. Wilkinson

Lecturers

R. S. Ferguson
R. G. B. Gilbert
W. C. Stockwell

Demonstrators W. G. Cullen
J. J. Kelly
P. E. O'Shaughnessy
A. F. Pasquet
A. M. Torrie

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anæsthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anæsthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anæsthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented. Each discussion is carefully prepared and conducted by three teachers of the staff, each teacher sharing in rotation.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anæsthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anæsthetists and attends four well-planned lecture-demonstrations. While it is admitted that this course is rather brief, it may be pointed out that it has been preceded by previous instruction in the basic subjects mentioned above, and it must be remembered that, on account of the overloaded curriculum of the medical student, more time for anæsthesia is out of the question.

DEPARTMENT OF ANATOMY

Robert Reford Professor C. P. MARTIN, Chairman

Professor C. P. LEBLOND
Assistant Professor D. S. FORSTER
Lecturer E. W. WORKMAN

Demonstrator Howard Root

Teaching Fellows W. R. E. SPROAT CATHERINE E. STEVENS

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture and demonstration during the Winter and Spring terms of the third medical year.

Textbooks: Gray's "Anatomy" (English edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals: Buchanan's "Manual of Anatomy"; Johnston's "Synopsis of Regional Anatomy."

Optional Texts: Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Fraser and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbook: Bailey, "Text-Book of Histology" or Maximow and Bloom.

Optional Texts: Cowdry, Lewis and Bremer, Jordan.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts:

- (a) A seminar on theoretical problems of histology and histo-chemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological technique, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. One hour lecture and laboratory each week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

One hour per week lecture and three hours per week laboratory work during second half of the first medical year.

Textbook: Arey, "Developmental Anatomy."

Optional Texts: Jordan, Simkins, Bailey and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor E. G. D. MURRAY, Chairman
Associate Professors D. S. Fleming
J. W. Stevenson
Assistant Professors G. G. Kalz
C. D. Kelly
Lecturers J. De Vries
C. R. McLean

A. M. Masson F. H. Prissick

Demonstrator (Teaching Fellow) J. J. Stock

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All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY FOR THE M.SC. DEGREE

APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE) lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)

14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Martin (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley & Wilson, Principles of Bacteriology, revised by Wilson & Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); R. W. Fairbrother, A Text-

Book of Medical Bacteriology (W. Heinemann); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press).

DEPARTMENT OF BIOCHEMISTRY

Professors	D. L. THOMSON, Chairman J. H. QUASTEL
Associate Professors	O. F. DENSTEDT R. D. H. HEARD
Assistant Professor Sessional Lecturer	K. A. C. ELLIOTT JUDITH SAFFRAN

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

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Textbooks: Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor	R. P. VIVIAN, Chairman
Assistant Professor	C. W. MACMILLAN
Lecturers	E. A. BLUMENFELD
	H. E. BURKE
	W. H. CRUICKSHANK
	I. M. RABINOWITCH
	BARUCH SILVERMAN MARIAN WALL
	MARIAN WALL

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the second year the subject matter covered includes Vital Statistics; principles of Communicable Disease Control, Sanitation, Environmental Hygiene; and the organization and activities of the Public Health Service, with a consideration of the problem of the non-communicable diseases. This is timed to coincide with complementary material presented by other Departments.

Field trips are undertaken to observe the control of water, milk, and food supplies. Demonstrations are given of the work of the Quebec Division of Industrial Hygiene. Exercise periods are held to provide a working knowledge of statistical procedure in Medical Statistics.

An examination (minor) is held at the end of the second year.

In the third year lectures are given to the class as a whole on Population influences and trends; the W.H.O.; the problem of medical care; public welfare, voluntary agencies, and the medical social worker; social security, health insurance, and medical economics.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease; the work of the Provincial Public Health Laboratory is demonstrated, and the preparation of sera, vaccines, and toxoids observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Nutritional Education, Mental Hygiene, and Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the third year.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A. TOXICOLOGY i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead, and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE: A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy-privileged communications (d) responsibility to patient-implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents -Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

DEPARTMENT OF MEDICINE

Professors Professors

J. S. L. Browne, Chairman

G. R. Brow E. S. Mills

Associate Professors

K. A. EVELYN

I. M. RABINOWITCH I. K. GORDON W. DEM. SCRIVER

E. H. MASON

Assistant Professors

L. J. ADAMS

Louis Lowenstein

E. H. BENSLEY

J. F. McIntosh

H. E. BURKE

H. S. MITCHELL J. H. PALMER

D. G. CAMERON G. A. COPPING

BRAM ROSE

Neil Feeney H. N. Segall

W. H. P. HILL F. MACI. SMITH

M. M. HOFFMAN C. J. TIDMARSH

J. G. HOWLETT S. R. TOWNSEND

W. R. KENNEDY ELEANOR VENNING

H. P. WRIGHT

Lecturers M 30 MEMARAGO SHT 44 MUNUSISHID SHT

MICHAEL ARONOVITCH R. D. MCKENNA C. S. BARKER K. R. MACKENZIE R. C. Bennetts J. F. Meakins J. O. W. Brabander D. L. Mendel R. A. CLEGHORN C. J. PATTEE A. F. Fowler J. T. Quintin G. W. HALPENNY A. T. THOM L. G. Johnson R. V. Ward W. G. McLellan P. G. Weil dis visite distributed line visite and line of G. E. Wight

Demonstrators Demonstrators

ALEX. GORDON DAVID BARZA R. G. BAXTER R. G. M. HARBERT R. P. HOWARD F. M. BOURNE PARKER CHESNEY A. W. LAPIN LESTER McCallum WM. COHEN BASIL CUDDIHY Myron Notkin W. W. EAKIN PAULA SHOPFLOCHER R. R. FORSEY LORNE SHAPIRO C. J. FOURNIER GEORGE SHIMO C. B. SMITH

CLINICAL THERAPEUTICS

Assistant Professor C. W. Fullerton Guy H. Fisk Lecturers W. DEM. SCRIVER

DERMATOLOGY

Clinical Professors J. F. Burgess od vsas daida sagas bas sangagara aistore of sa L. P. Ereaux a sagal Lecturers by the benefit as not tentimeze Lecturers by the benefit as not tentimeze Lecturers

FREDERICK KALZ D. S. MITCHELL B. D. Usher

Demonstrator G. E. CRAIG

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY

Time—Last term of second year—two lectures a week and one amphitheatre clinic.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professor Browne

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COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Last term of second year.

Place—Outpatient Departments of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

COURSE II 3—LABORATORY DIAGNOSIS

Time-Last term of second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

COURSE III 4-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical trimester.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

COURSE III 8-A PRACTICAL COURSE IN DISEASES OF METABOLISM

Time-Weekly during the medical trimester.

Place-Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR

COURSE IV 9—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout year.

Place-Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject-Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

COURSE IV 10-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during medical quarter.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery WILDER PENFIELD, Chairman

Associate Professor of Neurosurgery

WILLIAM CONE

Associate Professors of Neurology

DONALD MCEACHERN FRANCIS MCNAUGHTON

Research Fellow

(Faculty of Graduate Studies and Research)

BORIS BABKIN

Assistant Professors of Neurology

ARTHUR W. YOUNG

Assistant Professor of Neurosurgery

ARTHUR ELVIDGE

Assistant Professor of Neurological Radiology

DONALD MCRAE

Assistant Professors of Experimental Neurology

K. A. C. ELLIOTT HERBERT JASPER

Lecturers in Neurology

men leolbem ed warmen Roy L. SWANK C. MILLER FISHER JOHN KERSHMAN

Lecturers in Neurosurgery

J. PRESTON ROBB HAROLD W. ELLIOTT

W. KEASLEY WELCH JERZY OLSZEWSKI

Lecturer in Neuroanatomy Demonstrators in Neurology

D. L. LLOYD-SMITH

Demonstrators in Neurosurgery

G. M. SHY MAITLAND BALDWIN FRANCIS H. O'BRIEN

Demonstrators in Neuropathology IGOR KLATZO

REVIS LEWIS ERIC PETERSON

ROBERT A. SEARS

Demonstrator in Neuroanatomy Cho-Luh Li

Demonstrator in Electroencephalography Lewis Henderson

Fellows of the Montreal Neurological Institute

ROBERT AQUILINA * GEORGE AUSTIN JOHN BATES

ANATOLE DEKABAN RALPH DRUCKMAN K. M. EARLE W. F. GERBER GERALD HAINES IGOR KLATZO R. C. LEWIS

CHO-LUH LI JOHN LORD MAITLAND BALDWIN D. LLOYD-SMITH *** C. AJEMONE MARSAN ** SAMUEL BRENDLER F. H. O'BRIEN
PEDRO DE CASTRO BERNARD PERTUISET ERIC PETERSON H. LAMAR ROBERTS GEORGE SHY T. J. SPEAKMAN JULIUS STOLL DONALD TOWER J. M. VAN BUREN W. KEASLEY WELCH

- * U.S. Public Health Fellowship.
- ** National Paraplegia Foundation Fellowship.
- *** Rockefeller Foundation Fellowship.

SECOND YEAR

- (ANATOMY 2) NEUROANATOMY. Lectures and Laboratory. Department Professor McNaughton and Dr. Fisher of Anatomy.
- NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department 2B Professors McNaughton and Jasper of Medicine.
- 2C PHYSICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics, Department of Medicine (1 at M.G.H., 1 at R.V.H.). Dr. Robb

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays 8:45-9:40. M.N.I. Amphitheatre. Professors Penfield and McNaughton

FOURTH YEAR

NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 theatre clinics. Satur-4A days, 10:00-11-00. M.N.I. Amphitheatre.

Professors Cone and McEachern

4B-1 NEUROLOGICAL O.P.D. R.V.H. Outpatient Department. Monday and Professor McEachern and Assistants Thursday*, 2:00-3:00.

^{*}Two Thursdays per month only.

- 4C-1 NEUROLOGY WARD CLASSES. Department of Medicine. Wednesdays, 8:45-9:45 (R.V.H. group).
- 4B-2 COMBINED NEUROLOGICAL O.P.D. AND WARD CLASSES. M.G.H. Mondays and Fridays, 2:00-3:00 (M.G.H. group).
- 4C-2 Professor McNaughton and Assistants
- 4D-1 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.

 Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I.
 - (M.G.H. group). Thursdays, 1:00-2:00.

 Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. R.V.H. Outpatient Department. Tuesdays, 3:45-4:45. Professor McNaughton and Dr. Robb
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00-4:00.

 Professor McNaughton and Dr. Robb

ELECTIVE COURSES

- A. SEMINAR IN NEUROANATOMY. M.N.I. 4 hours weekly (12 weeks).
 - 1. Lectures, demonstrations, and discussions.
 - 2. Construction of brain model by selected group. Two evenings, beginning in November.

Professor McNaughton

- B. SEMINAR IN NEUROPHYSIOLOGY. M.N.I. 3 hours weekly (12 weeks).

 Laboratory demonstrations, lectures, and discussions. Mondays, 5-6 and
 8-10, beginning in November.
 - Professor Jasper and Dr. Babkin
- C. COLLOQUIUM IN CLINICAL NEUROLOGY. 1 hour weekly. Clinics and lectures.

 Wednesdays, 5 p.m., M.N.I. Professor McNaughton
- D. COLLOQUIUM IN NEUROSURGERY AND ELECTROENCEPHALOGRAPHY. M.N.I. 1 hour weekly. Fridays, 4 p.m. (10 months).

Professors Penfield and Jasper

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor N. W. PHILPOTT, Chairman

Assistant Professors J. S. Henry G. C. Melhado

ELEANOR PERCIVAL
G. A. SIMPSON

Lecturers

J. E. Ayre	G. B. MAUGHAN
W. R. FOOTE	I. Y. PATRICK
J. L. MACARTHUR	D. W. SPARLING
K. T. MACFARLANE	GEORGE STREAM
	CLIFFORD WARD

Demonstrators

GRACE DONNELLY	J. P. A. LATOUR
SIMON GOLD	H. T. Lyon
Myer Hendelman	THOMAS PRIMROSE
	JAS. HOLDEN ROUTLEDGE

The entire course is arranged on the basis of imparting a practical know-ledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

REQUIRED COURSES

SECOND YEAR-

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professors Philpott and Simpson

THIRD YEAR-

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour and the puerperium.

 Senior members of the Staff
- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Professor Simpson and Assistants
- 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Professor Simpson and Assistants
- 4. Six classes to demonstrate the care of the newborn.

Professor G. Ross and Assistants

5. Six lectures to present the development of the genital tract with its histopathology. The development of the embryo.

GYNAECOLOGY

- 1. Five lectures to describe the more common gynæcological diseases.

 Professor and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside, in the operating theatre, or in the outpatient department, to illustrate the diagnosis and treatment of gynæcological patients.

Professor — and Assistants

FOURTH YEAR-

OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.

 Professor Philpott
- 2. Group ward rounds once a week to present the current interesting cases.

 Professor Philpott
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

 Members of the Staff

GYNAECOLOGY

- Twelve bedside clinics to be given in the gynæcology wards.
 Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynæcological Pathology.
- 3. Eight hours of clinical instruction are given in the diagnosis and treatment of genital cancer.

 Professor and Assistants
- 4. Facilities are extended for attending sixteen gynæcology outpatient clinics.

 Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Johnstone, Textbook of Midwifery; Scott and Wan Wyck, The Essentials of Obstetrics and Gynæcology; Stander, Textbook on Obstetrics; The Ten Teachers, Midwifery.

Gynæcology Text and Reference Books: Curtis, Textbook of Gynæcology; Grossen, Textbook of Gynæcology; Kennedy-Campbell, Vaginal Hysterectomy; Novak, Textbook of Gynæcology; Shaw, Wilfred, Textbook of Gynæcology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor — , Chairman

Lecturers BENJAMIN ALEXANDER

K. B. JOHNSTON

J. V. V. NICHOLLS

R. J. VIGER

Demonstrators H. A. G. DUNCAN

L. S. S. KIRSCHBERG

D. W. McDonald William Turnbull

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the third and fourth year of the Medical course:—

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.....

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are

discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

FOUR

Textbooks: May, Gifford, Parsons, Berens.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor

Assistant Professors

K. O. Hutchison
W. J. McNally
E. E. Scharfe
G. E. Tremble

Lecturer

E. A. STUART

Demonstrators

H. E. McHugh
F. W. Shaver

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh); D. H. Ballon, Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon (Lea & Febiger).

DEPARTMENT OF PAEDIATRICS

Professor	ALTON GOLDBLOOM, Chairman
Assistant Professo	rs A. K. Geddes Alan Ross Jessie Scriver
Lecturers	H. L. BACAL BEN BENJAMIN

P. N. MACDERMOT E. M. Worden

Demonstrators

H. FRIEDMAN-BRICKMAN	FRANCES McCall	
R. L. DENTON	D. R. McCrimmon	
S. I. DOUBILET	J. H. O'NEILL	
ELEANOR HARPUR	FREDERICK SHIPPAM	
ARNOLD JOHNSON	S. J. USHER	
DAVID KLEIN	ISOBEL WRIGHT	
osmer Fellow	BASIL WOLMAN	

Hosmer Fellow

REQUIRED COURSES

1. LECTURES

- (a) An Introductory course of 12 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine, etc.

Professor Goldbloom and Staff

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2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MATERNITY PAVILION

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

Professors Goldbloom, Geddes, Ross, and Scriver, and Dr. Worden

3. CLINICAL PAEDIATRICS

- (a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.
- (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, Ross, and Geddes, and Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive pædiatrics; Child Welfare Clinics.

Professor Scriver, and Drs. Usher, Doubilet, and Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Dr. Worden

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Porter and Carter, Management of the Sick Infant and Child; Smith, Physiology of the New Born Infant; Bakwin, Psychologic Care During Infancy and Childhood.

Reference Books: Brenneman, Practice of Pædiatrics (4 volumes); Parsons and Barling, Diseases of Infancy and Childhood (2 volumes); Langdon, Home Guidance for Young Children; Von Reuss, Diseases of the New Born; Gesell, The Embryology of Behaviour; Patten, Human Embryology; Brown and Tisdall, Common Procedures in Pædiatrics; Goldbloom, Care of the Child.

DEPARTMENT OF PARASITOLOGY

Professor T. W. M. CAMERON, Chairman

Associate Professor M. J. MILLER

Assistant Professor Donald Fairbairn

Lecturers L. P. E. Choquette

R. P. Harpur

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers diadactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd edition).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. Lyman Duff, Chairman
Professor Theo. R. Waugh
Associate Professor Robert H. More
Assistant Professors G. C. McMillan
J. E. Pritchard
W. E. Toreson
Lecturers M. B. Mackenzie
W. H. Mathews
J. D. Rublee
F. W. Wiglesworth

Demonstrators

F. A. JAFFE J. H. WHITESIDE

Sessional Demonstrator

M. A. SIMON

Fellows

W. J. CHARLTON C. T. CHEN C. W. JONES G. F. MEISSNER

REQUIRED COURSES

- 1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Autumn and Winter terms (48 lectures).

Professors Duff and More

- B. Practical laboratory classes during the Autumn and Winter terms (72 hours practical work). Professor Toreson and Demonstrators
- 2. COURSE IN SPECIAL PATHOLOGY (THIRD YEAR)
 - A. Two lectures per week during the Autumn, Winter, and Spring terms (72 lectures). Professors Duff, Waugh, and More, and Lecturers
 - B. Two practical laboratory classes per week during the Winter and Spring terms (96 hours practical work). Professor Duff and Staff
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter, and Spring terms Lecturers and Demonstrators (36 hours).
- 3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms Professor Duff (54 hours).
 - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute

Professor Duff and Dr. Rublee

Montreal General Hospital

Professor Pritchard and Dr. Mathews

Children's Memorial Hospital

Dr. Wiglesworth

Textbooks: Bell, Text-Book of Pathology (Macmillan); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); MacCallum, Text-Book of Pathology (Saunders), Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold).

Reference Books:

General: Anderson, Pathology (Mosby); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith and Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological and Obstetrical Pathology (Saunders); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer):

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The

chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms supplemented by one conference and one demonstration a week. Second year.

The conference groups are limited to four students each.

Professors Stehle, Melville, and -

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Second year. Professors Stehle and Melville, and Drs. Beck and Lu

Textbooks in Pharmacology: Cushny, Sollmann, Thienes.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine

REQUIRED COURSES

2. PRESCRIPTION WRITING

Three lectures.

Dr. Scriver

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3A. THERAPEUTICS

Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

3B. THERAPEUTICS

Theatre lectures. Eight clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Textbooks in Therapeutics: Bastedo, Beckman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor A. S. V. Burgen

Associate Professors

B. D. Burns

Norris Girlin

Assistant Professors Simon Dworkin

KATHLEEN G. TERROUX

Lecturer A. L. Johnson

Demonstrator Helen Henrikson
Hosmer Fellow Peter Oborin

FIRST YEAR

1. Physiology

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. Physiological Laboratory

Three hours a week, from October.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Howell, Textbook of Physiology; Starling, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wright, Applied Physiology.

OTHER COURSES

Further courses are available only to students who have achieved a high standing in the required courses: by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Professor D. E. CAMERON, Chairman

Associate Professors R. A. CLEGHORN R. B. MALMO

A. E. MOLL MIGUEL PRADOS BARUCH SILVERMAN

Assistant Professors

G. E. Reed

Karl Stern

Lecturers

T E. DANCEY H. E. LEHMANN
HENRY HERSHON A. A. MACKAY
L. G. HISEY C. H. SKITCH

Demonstrators

SAUL ALBERT
CARLOS BOS
WALTER BREMNER
ELLIOTT EMANUEL
B. F. GRAHAM
E. L. MARGETTS
MURRAY SAFFRAN
MANUEL STRAKER
J. S. TYHURST

REQUIRED COURSES

 PHYSIOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.

Professor Cameron

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- 2. PSYCHIATRY—Eighteen lectures on the basic behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.

 Professor Reed and Assistants
- 3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out-Patient Departments.

Professors Cameron, Prados, and Moll, and Dr. Dancey

- 4. A course of eight lectures will be given on child psychiatry during the fourth year.

 Professor Silverman
- 5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.

 Professors Cameron, Stern, and Cleghorn

6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.

Professors Prados and Silverman

7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.

Professor Reed and Drs. Skitch and Lehman

DEPARTMENT OF RADIOLOGY

Professor CARLETON B. PEIRCE, Chairman

Associate Professor JOSEPH W. MCKAY

Assistant Professors J. J. L. BOUCHARD D. L. MCRAE

Demonstrators N. M. Brown E. F. Crutchlow

E. F. CRUTCHLOW A. M. EDINGTON L. N. STEWART

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Professors Peirce, McKay, Bouchard, and McRae, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

IV (1) Conference periods, two hours weekly each quarter during which the students in the several teaching hospitals discuss clinical case material with the Members of the Department.

Professors Peirce, McKay, Bouchard, and McRae, and Staff

IV (2) Tumour Conference. The final year students are expected to attend the Tumour or Neoplasm Clinics and Conferences in the several teaching hospitals, wherein the various means of diagnosis and treatment of malignant neoplasm are considered by representatives of the several departments of the teaching staffs, and their experience reviewed.

POST-GRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Sante, Principles of Roentgenological Interpretation; Holmes and Ruggles, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden (et al), Diagnostic Radiology; Pancoast, Pendergrass and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wessen and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors G. GAVIN MILLER, Chairman

R. R. FITZGERALD

Associate Professors

H. M. ELDER

I. C. Armour D. E. Ross P. G. Rowe A. L. WILKIE

Assistant Professors

H. L. DAWSON S. J. MARTIN C. M. GARDNER H. S. MORTON J. C. Luke H. F. Moseley C. A. McIntosh D. R. WEBSTER

Lecturers

H. A. BAXTER G. D. LITTLE S. G. BAXTER D. W. MACKENZIE, JR. H. S. Dolan E. A. McNaughton JOHN GERRIE H. G. PRETTY A. M. VINEBERG MARK KAUFMANN

Demonstrators Demonstrators

F. D. ACKMAN F. N. GURD A. R. BAZIN G. A. HOLLAND E. H. CAYFORD R. N. LAWSON W. M. COUPER C K. McLeod J. C. DICKISON W. W. RUDDICK R. I. ESTRADA J. C. SUTTON F. W. WOOLHOUSE W. W. San Benomeral Control Control Control

ORTHOPAEDIC SURGERY

Assistant Professors J. G. PETRIE J. G. SHANNON

Demonstrators

W. G. Breckenridge S. E. Goldman A. A. BUTLER G. H. RAYMOND
J. J. DINAN J. A. L. WALKER C. LAIRD WILSON

UROLOGY

Clinical Professor Lecturers A 78 Applicable 1 to smeathcapell and the visiting

R. G. REID A. B. HAWTHORNE S. A. MacDonald M. I. Seng Demonstrators

J. T. MacLean Alex. Strasberg MAX RATNER A. M. J. TANNEY

REQUIRED COURSES

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals, twice a week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. CASE REPORTING

- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. Two students are in residence each evening from 6:00 to 11:00 p.m., and on call from that time until 7 a.m. at the Royal Victoria Hospital.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subject are presented during the two year course.

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester. Textbody, must save the my bearsones

ORTHOPAEDIC SURGERY —

FOURTH YEAR & to seed the Homans A Text-book of Sangara Internal I

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA — To launch A marks World Construction of the construc

Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the third and fourth years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery—2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals
- 4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

- 1. General Surgery: John Homans, A Text-book of Surgery; C. C. Choyce, A System of Surgery; Gask and Wilson, Surgery; Hamilton Bailey, Demonstrations of Physical Signs in Clinical Surgery; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, The Essentials of Modern Surgery; Rose and Carless, Manual of Surgery; Berman, Synopsis of Principles of Surgery; Pack and Livingston, Treatment of Carcinoma; Christopher, Minor Surgery.
- 2. Emergency Surgery: John W. Sluss, Manual of Emergency Surgery; Cole and Puestow, Advanced First Aid.
- 3. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Treves, Surgical Applied Anatomy.
- 4. Fractures and Dislocations: Charles L. Scudder, Treatment of Fractures; Wilson and Cochrane, Fractures and Dislocations; Magnuson, Fractures; Stimson, Manual of Fractures and Dislocations; Wilson, Management of Fractures; Key and Conwell, Fractures and Dislocations; Watson Jones, Fractures and other Bone and Joint Injuries; Key and Conwell, Fractures, Dislocations and Sprains; Eve, Handbook of Fractures.
- 5. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Cases; Geckeler, Fractures and Dislocations.
- 6. Urology: Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology.
- 7. Orthopædic Surgery: Whitman, Orthopædic Surgery; Jones, Orthopædic Surgery of Injuries; Jones and Lovett, Orthopædic Surgery; Mercer, Orthopædic Surgery; Willis Campbell, Orthopædic Operations; Sever, Handbook of Operative Surgery; Steindler, Orthopædic Operations.

GRADUATE INSTRUCTION

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Public Health and a Diploma in Tropical Medicine and Hygiene are granted by McGill University.

These courses are conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the co-operation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN PUBLIC HEALTH

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The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

disease control and the assessment of morbidity in non-communicable disease;

PUBLIC HEALTH LAW and its administration; STAM STANDARD

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS IN HEALTH; programmes designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programmes, including Preventive Medicine, especially as they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma in Public Health must be graduates in Medicine of a recognized university.

The Diploma in Public Health course covers one academic year from September to April, with three months' additional field work.

The Fee for the Diploma in Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application. Application must be made before June 1st.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work

is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and subtropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those who have taken the D.P.H. elsewhere.

Application must be made prior to June 1st.

BUILDINGS -

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THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made

possible through the generosity of William H. Donner of Philadelphia, the founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Cytology and Dentistry.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital
Montreal General Hospital
Children's Memorial Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
 - 2. The Ross Memorial Pavilion for private patients;
 - 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
 - 4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year.

There are some 50,000 visits annually to the Out-Patient Department.

The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria Montreal Maternity Pavilion, with 214 beds for obstetrical and gynæcological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynæcological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of pædiatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

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Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the last Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time develop-

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the third and fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

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The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

Meetings are held every alternate Monday, at which addresses are extremtly mentioned professional men, medical and otherwise, Case reports are also read and discussed by the members themselves, and a six and discussed by the members themselves, and are

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McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1951-52

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

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1. UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

(a) These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, health service, physical education, sports, games and graduation, but do not include the Students' Society Fee (see page 303).

Students' Society Fee (see page 303).	
Arts	\$250.00
Commerce	
Dentistry (laboratory equipment not included)	350.00
Divinity (except regular candidates for ordination)	250.00
Engineering and Architecture (all years)	325.00
Graduate Nurses (Diploma Course)	210.00
Graduate Nurses (Degree Course)	260.00
Fine Arts	
Law	
Library School (includes library visits)	
Medicine	
Music	
Physical Education	
Physiotherapy	
Science	300.00
(b) The following inclusive fees provide for only limited par in physical education and sports, and do not include admission Graduate Studies. Social Work.	to games. 201.00
(c) High School Diploma Course (does not include health physical education, sports or games)	service, 150.00
CONDITIONED STUDENTS	
Special fee for an additional course repeated or substituted by Conditioned Students (one full course or two half courses)	uedla .
Per Course	\$72.00 36.00
PARTIAL STUDENTS Arts, Science, and Commerce, per course. Engineering, per hour of instruction per week, per term. Half Courses \$36.00	\$72.00

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but partial students are also subject to the following additional fees:

- (a) Partial students taking less than three courses pay \$5.00 for the McGill Daily and use of the McGill Union, while those taking three or more full courses pay the regular Students' Society fee.
- (b) Partial students taking three or more courses pay the Health Service Fee of \$7 00.
- (c) Partial students also pay a Grounds Fee of \$5.00 and are entitled to use the outdoor athletic facilities such as tennis courts and rinks, but may not use the gymnasium and swimming pool or participate in team sports. If the full athletic and health service privileges of a regular student are desired, the fee payable is \$22.00 and a medical examination is required at the time of registration.

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Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the additional fee (payable \$2.50 with each instalment) is......\$5.00

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	\$ 5.00
Late registration (hist week) extra	10.00
Late registration (second week) extra	2.00
Late payment fee (after specified date)	
Fine for late medical examination (see page 311)	2.00
Graduation in absentia	10.00
Graduation in dosenia	10.00
Duplicate Diploma	1.00
Cortified copy of student's record	
Additional copy (at same time)	.50
Stencil of student's record (12 copies)	2.00
Stencil of student's record (12 copies)	10.00
Re-reading examination paper.	10.00
Supplemental examinations, each paper	
Rental of microscope (per term)	7.50
Rental of microscope (for the session)	12.00
Rental of microscope (for the session)	use the
McGill graduates and graduates of other Universities may	use the
University Library on payment of an annual fee of \$5.00.	

III. STUDENTS' SOCIETY FEES

An annual fee of \$15 (\$16 in Engineering, Law, and Medicine) is payable by all undergraduates and partial students taking three or more full courses for the support of student organizations. Medical students pay an additional \$2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00. In Engineering Law, and Medicine the Undergraduate Society receives \$2.00.

The women's fee is distributed as follows: Women's Union \$3.50: McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

Students in the Faculty of Graduate Studies pay an annual fee of \$3.50 for the support of the McGill Union or Women's Union, and \$1.50 for the McGill Daily.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost \$1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

- 1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.
- 2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when remitting fees by mail.
- 3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
 - (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
 - 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
 - 5. Residence fees are payable for the full academic year and shall not be refunded, except in special circumstances.

EXPENSES

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It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (see pages 306, 307, 309, 310). Books are necessarily a variable expense but probably \$50 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. FOR MEN

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	\$600.00
Arts, Science, Commerce, Law	635.00
Medicine and Dentistry (fourth year)	670.00
Medicine and Dentistry (lower years)	700.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of \$40.00 on the normal fee will be allowed.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	\$595.00
Arts Science Commence 1 T	625.00

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of \$3.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS

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The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and cannot answer correspondence.

The cost of board and lodging in approved rooms varies from \$60 to \$80 per month. Separately, board costs from \$40, and a room from \$25, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 300 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

ADMISSION

Students applying for residence in the College must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma, and have complied with the health regulations (see paragraph on Health, page 309).

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Admission is based upon scholarship, character, health, and general promise.

APPLICATION FOR RESIDENCE

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 31st. (Students should not await the results of their matriculation examination before applying.)

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First Year—Friday, September 21st.

Upper Years—Friday and Saturday, September 28th and 29th.

Residences will open for *first year students* on Wednesday, September 19th, when the mid-day meal will be the first to be served; *for upper years* on Thursday, September 27th.

Students will not be admitted before the date specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

RATES

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The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$635.00 and for a student occupying a double room, \$610.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$3.00 per day.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

A House Fee of \$8.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

MCLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senior nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES

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Course	Period	Single	Multiple
Dentistry 1, 2, 3	Sept. 4- *	\$470	\$385
Dentistry 4	Sept. 4-Convocation	475	390
High School Diploma	Sept. 4-June 9	510	415
(Education)			
Law 1, 2, 3	Sept. 27- *	395	325
Law 4	Sept. 27-Convocation	435	355
Library School	Sept. 22-Convocation	455	375
Medicine 1, 2, 3	Sept. 4- *	510	415
Medicine 4	Sept. 4-Convocation	475	390
Social Work	Sept. 28-June 22	480	395
Graduate Faculty	Sept. 29-May 15	415	340

Additional periods will be charged at the following daily rates: Single, \$2.00; Multiple, \$165.

HEALTH SERVICE

The object of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come

^{*}To the end of examinations.

to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of \$5.00.

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The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department may authorize additional services or contributions towards such cost.

The University Health Service is organized to provide:

(a) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

The examination for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All third year students' examinations include, besides the X-ray and laboratory procedures, a complete clinical check.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of \$2.00 is made. Any student who fails to have a medical examination by the University Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students, available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 490 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed. MMIGR

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A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee. In case of hospitalization when obtained through the University Health Service, payment will be made for one-half of all public ward rates in a designated general hospital, up to a maximum of \$125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus except in such areas as may be specifically designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

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ports and , skating, o student All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3480 University Street, has a complete stock of books and materials recommended by the Staff, and a supply of Engineering instruments, microscopes, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1951-52

1951

May 28th, Monday. Convocation.

June 14th, Thursday. School Certificate Examinations begin.

June 28th, Thursday. French Summer School begins.

July 2nd, Monday. Dominion Day.

July 2nd, Monday. Geography Summer School begins.

August 9th, Thursday. French Summer School ends.

August 11th, Saturday. Geography Summer School ends.

August 30th, Thursday. Last day for filing Graduate theses for Autumn Convocation.

August 31st, Friday. Students in certificate courses in Public Health Nursing, and Advanced Psychiatric, Obstetric, and Paediatric Nursing report to the School for Graduate Nurses for field work. Registration in Medicine and Dentistry begins.

September 3rd, Monday. Labour Day.

September 4th, Tuesday. Registration in Medicine and Dentistry finishes. Registration of students in the School for Teachers. Supplemental examinations begin in Arts, Science, Commerce, Fine Arts, First Year Engineering, and in the School of Physical Education. Summer School in Mechanical Engineering begins. Agriculture Teaching Specialists register. School Certificate examinations begin.

September 5th, Wednesday. Lectures begin in all years of Medicine and Dentistry, and in the School for Teachers.

September 6th, Thursday. Second and Third Year Women students in the School of Physical Education report for Autumn Outdoor School. High School Diploma students report for training in the Department of Education.

September 7th, Friday. Seminars begin for High School Diploma students.

September 10th, Monday. Supplemental examinations begin in Upper Years of Engineering and Architecture. Conservatorium of Music opens for practical work. Second Year Men students in the School of Physical Education report for Autumn Outdoor School. Fall Survey School begins.

September 10th. Monday, to September 22nd, Saturday. Final orals for Ph.D.

September 13th, Thursday. Third Year Men students in the School of Physical Education report for Autumn Outdoor School.

September 14th. Friday. Students in certificate courses in Teaching and

- Supervision and Administration in Schools of Nursing report to the School for Graduate Nurses for observation in Hospitals.
- September 17th, Monday. Last day for receiving applications for admission to the Graduate Faculty. Last day for reports on Ph.D. theses.
- September 18th, Tuesday. Supplemental Examinations begin in the Faculty of Divinity.
- September 19th, Wednesday. Last day for reports on Masters' theses.
- September 21st, Friday. Registration of students in First Year Arts, Science, Commerce, Fine Arts, Engineering, and in the Library School.
- September 24th, Monday. Freshman Welcome. Students in First Year Physical Education register. Lectures begin in Music and the Library School, and in the First Year of Arts, Science, Commerce, Fine Arts, Engineering, and Physical Education.
- September 26th, Wednesday, and September 27th, Thursday. Registration of students in all years in the School of Physiotherapy.

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- September 27th, Thursday. Students register in the School of Social Work and in Upper Years of Engineering and Architecture.
- September 27th, Thursday, and September 28th, Friday. Students in degree courses and in certificate courses in Administration and Supervision in Public Health Nursing register at the School for Graduate Nurses.
- September 28th, Friday. Students in Fourth Year Physical Education register. Lectures begin in the School of Social Work.
- September 28th, Friday, and September 29th, Saturday. Registration of Upper Year students in the Faculty of Arts and Science and in all years of Law and Divinity.
- October 1st, Monday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in Upper Years of Arts, Science, Commerce, Fine Arts, Engineering, Architecture, and Physical Education, and in all years of Law, Agriculture, Household Science, Divinity, the School for Graduate Nurses, the School of Physiotherapy, and the Faculty of Graduate Studies and Research.
- October 6th, Saturday. Founder's Day. Convocation. (James McGill born October 6, 1744, died December 19th, 1813.)
- Thanksgiving Day. No lectures. Date to be announced by the Dominion Government.
- October 13th, Saturday. Last day of submitting certificates relating to summer employment in the Faculty of Engineering
- October 24th, Wednesday. Last day for registration (Registrar's Office) and payment of fees for students in the Faculty of Graduate Studies and Research.

November 5th, Monday. Autumn term examinations begin in the School for Teachers.

November 11th, Sunday. Remembrance Day.

November 26th, Monday. Winter term begins in the School for Teachers.

December 1st, Saturday, to December 8th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.

December 14th, Friday. First term ends in the Library School.

December 19th, Wednesday, to December 20th, Thursday. Examinations in the Library School.

December 21st, Friday. Last day of lectures in all Faculties and Schools, last day of lectures and field work in the School of Social Work.

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January 4th, Friday. Examinations begin in Arts, Science, Commerce, Fine Arts, Engineering, Architecture, Divinity, Physical Education, Graduate Nurses, and Physiotherapy. Lectures resumed in Agriculture, Household Science, and School for Teachers.

January 7th, Monday. Lectures resumed in Medicine, Dentistry, Music, and Library School.

January 11th, Friday. Second term begins in Arts, Science, Commerce, Fine Arts, Divinity, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 23rd, Wednesday, to January 25th, Friday. Examination held in the School of Social Work.

January 28th, Monday. Second term begins in the School of Social Work.

February 11th, Monday. Founder's Day at Macdonald College. (Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 15th, Friday, February 16th, Saturday. Mid-term weekend holiday.

February 23rd, Saturday. Examinations in German for Ph.D. students in Physics only.

Library School trip. Dates to be announced.

February 28th, Thursday. Winter term ends in the School for Teachers.

March 17th, Monday. Spring term begins in the School for Teachers.

April 4th, Friday. Lectures end in Upper Years of Engineering and Architecture.

April 7th, Monday. Last day for filing Ph.D. theses. Examinations begin in Upper Years of Engineering and Architecture.

- April 11th, Friday, to April 14th, Monday (inclusive). Easter vacation.
- April 19th, Saturday. Lectures end in First Year Engineering and in all other Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.
- April 21st, Monday. Last day for filing theses for Master's degrees.
- April 23rd, Wednesday. Examinations begin in Arts, Science, Commerce, Fine Arts, First Year Engineering, all years in Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.
- April 25th, Friday, Examinations begin in the Theory of Music.
- April 26th, Saturday, to May 10th, Saturday. Final orals for Ph.D.
- April 29th, Tuesday. Examinations begin in Higher Theoretical Music.
- May 1st, Thursday. Last day for application for the majority of Graduate Fellowships.
- May 2nd, Friday. Lectures end in the Library School and in the School of Social Work.
- May 3rd, Saturday. Last day for reports on Ph.D. theses. Last day of lectures in Music.
- May 5th, Monday. Practical Examinations in Music begin.
- May 6th, Tuesday, to May 9th, Friday. Examinations in the Library School.
- May 7th, Wednesday. Examinations begin in the School of Social Work. May 9th, Friday. Last day for reports on Masters' theses.
- May 12th, Monday. Full-time field work in First Year of the School of Social Work and full-time research work in Second Year begin.
- May 19th, Monday. Final examinations begin in the School for Teachers and for Homemakers.
- May 28th, Wednesday. Convocation.

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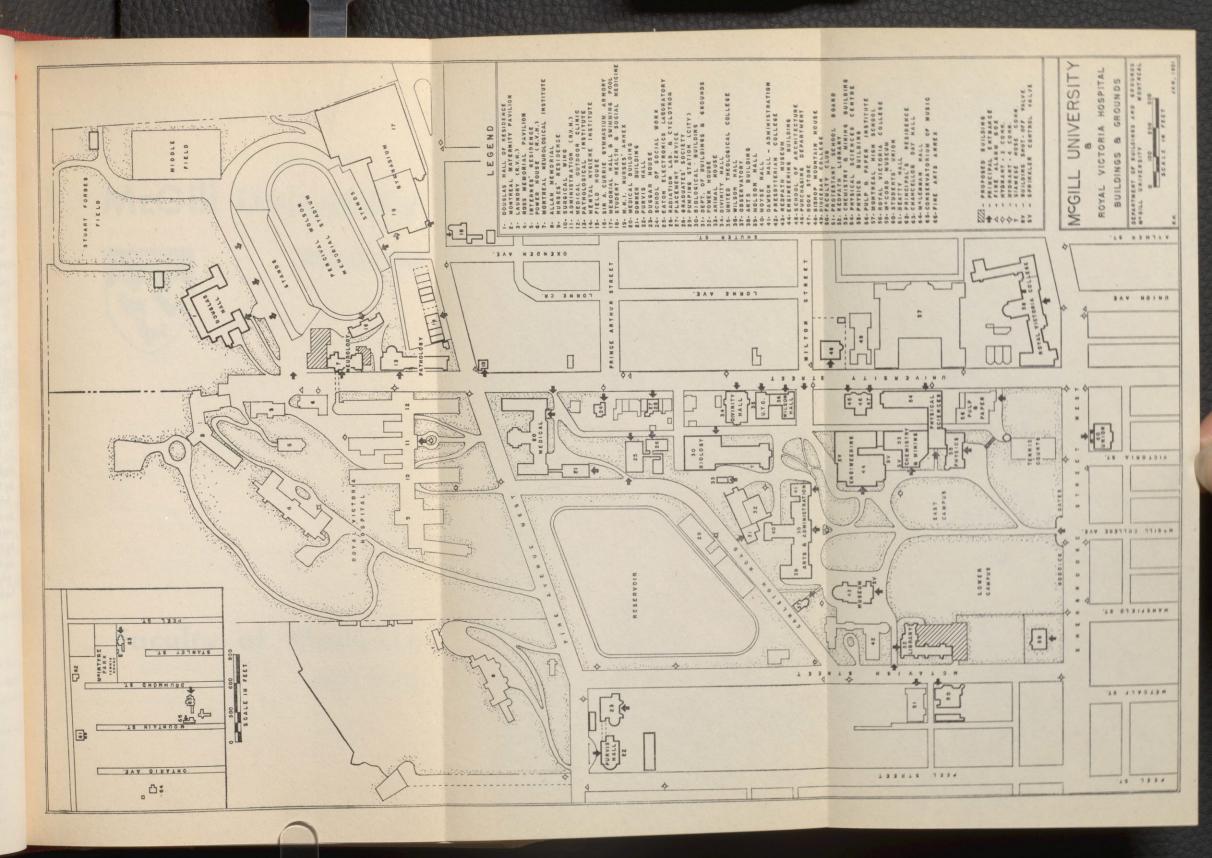
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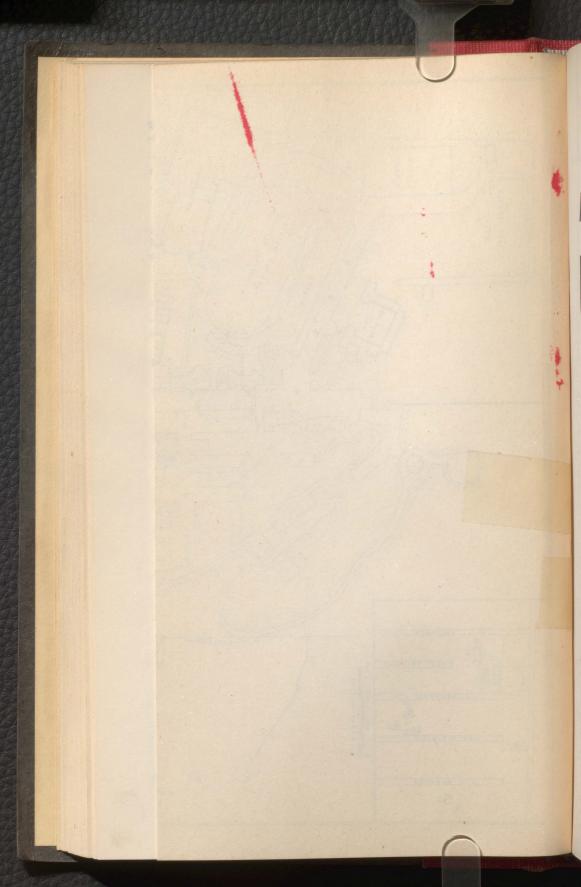
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- June 5th, Thursday. Graduation exercises, School for Teachers and Home-makers Class of the School of Household Science.
- June 20th, Friday. Second term ends in the School of Social Work.





McGill University



Montreal

Faculty of Medicine

1951-1952

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts, in Pure Science, and in Fine Arts. There is a separate announcement for the School of Commerce)

Faculty of Medicine

Faculty of Medicine Post Graduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physiotherapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Geography Summer School

Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyrll James, B.Com. (Lond.), M.A., Ph.D. (Penn.), D.Sc. (Clarkson), D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, New York, etc.), D. de l'U (Montréal), F.R.S.C., Chevalier de la Légion d'Honneur

Principal

JOHN J. O'NEILL, Ph.D. (Yale), M.Sc., F.G.S.A., F.R.S.C. Vice-Principal G. Lyman Duff, M.A., M.D., Ph.D.(Tor.), F.R.S.C. Dean of the Faculty D. S. Fleming, B.A., M.D., C.M., D.P.H. (Tor.) Secretary of the Faculty S. H. Dobell, D.S.O. Comptroller and Executive Assistant to the Principal William Bentley, C.G.A., A.C.I.S., L.C.M.I. Bursar T. H. Matthews, M.A. (Oxon.) Registrar G. A. Grimson, B.Com.

RICHARD PENNINGTON, B.A. (Birmingham), Lib.Dip. (Lond.)

University Librarian

R. L. Stehle, M.A. (Ohio State), Ph.D. (Yale) Honorary Medical Librarian W. W. Francis, A.B., M.D. (Johns Hopkins)

Osler Librarian and Director of the Museum of the History of Medicine

MISS G. D. MUDGE

Assistant Secretary of the Faculty

Special announcements are available for the School of Physiotherapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

McGill University

PACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

D.C.L. (Bishop's), LL.D. (Queen's Toronto, London, New York, etc.).
D. C.L. (Bishop's), LL.D. (Queen's Toronto, London, New York, etc.).
D. de PU (Montrédil), F.R.S.C., Chevalier de la Légion d'Hoursen

LEMAN DUIT, M.A., M.D., Ph.D. (Tor.), F.R.S.C. Draw of the Foodler, S. F. ELSKING, B.A., M.D., C.M., D.F.H. (Tor.)

Seastory of the Foodler, C.M., D.F.H. (Tor.)

VINTERN BENTLEY, C.G.A. A.C.I.S., L.C.M.A.

H. Matthews, M.A. (Oxon.)

A. Genreson, B.Com.

REPLIED PRINCIPONS, B.A. (Birmingham), Lib.Dip. (Lond.)

R. L. Steffler, M.A. (Obio State), Ph.D. (Yele) Honorary Medical Librarian W. W. Pankers, A.B., M.D. (Johns Hopkins)

dys. G. D. Murcu. Assistant, Secretary of the Founday

solutions of the School of Physical School of Physiotherapy, the school for Graduate Nurses, and the School of Physical Education

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

Faculty of Medicine

The one hundred and nineteenth session of the Faculty will open on September 5th, 1951, for students of the first year.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required: Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of reason why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

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Students in the Faculty of Medicine will register at the Registrar's Office on Friday, August 31st or Tuesday, September 4th, 1951. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

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The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

UNIVERSITY FEES

1.00		50.00
2.	REPEATING A YEAR Students repeating a year pay. 43	50.00
3.	Qualified students may be admitted as partials to one or more compayment of special fees.	urses
4.	AD EUNDEM FEE Students entering any year above the first, pay a special ad	
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5. DIPLOMA OF PUBLIC HEALTH FEES

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.

6. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is \$250.00.

STUDENTS' SOCIETY FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS AND MEDICAL STUDENTS'

JOURNAL	\$18.00
Regular students (men)	18.00
Regular students (women)	5.00
Partial students taking less than three courses	3.00
By instalments: half with each instalment.	

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 4th, to Thursday, September 6th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and

1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 305-310).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 310).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

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one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Pædiatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anæsthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery-Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more then two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

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he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel. The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. Hospital, or of some other hospital (with not fewe

GRADING

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B=Good and manager as been eved bug

C=Fair

D = Doubtful

E=Failure bas sond ze seeks no seeks

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M. College as about

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1607.)
- 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
 - 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
 - 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC-Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO-Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont.

New Brunswick-Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND-Dr. I. J. Yeo, Charlottetown, P.E.I.

Manitoba—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

Alberta—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

Saskatchewan—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

NEWFOUNDLAND-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA minere and salas of rebro at

Associate Professors H. R. GRIFFITH, Chairman

C. C. STEWART

F. A. H. WILKINSON

Lecturers W. G. Cullen R. S. Ferguson

R. S. FERGUSON
R. G. B. GILBERT
A. F. PASQUET

W. C. STOCKWELL
GLADYS ELLISON

GLADYS ELLISON
J. J. KELLY
P. E. O'SHAUGHNESSY
H. M. SLATER

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anæsthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anæsthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anæsthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented. Each discussion is carefully prepared and conducted by three teachers of the staff, each teacher sharing in rotation.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anæsthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anæsthetists and attends four well-planned lecture-demonstrations. While it is admitted that this course is rather brief, it may be pointed out that it has been preceded by previous instruction in the basic subjects mentioned above, and it must be remembered that, on account of the overloaded curriculum of the medical student, more time for anæsthesia is out of the question.

DEPARTMENT OF ANATOMY

Robert Reford Professor C. P. MARTIN, Chairman

Professor C. P. LEBLOND

Assistant Professor D. S. Forster

Lecturers Phoebe L. Cox

CATHERINE STEVENS E. W. WORKMAN

Demonstrator Howard Root

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

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One hour per week lecture and demonstration during the Winter and Spring terms of the third medical year.

Textbooks: Gray's "Anatomy" (English edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals: Buchanan's "Manual of Anatomy"; Johnston's "Synopsis of Regional Anatomy."

Optional Texts: Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Fraser and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbook: Bailey, "Text-Book of Histology" or Maximow and Bloom. Optional Texts: Cowdry, Lewis and Bremer, Jordan.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts:

- (a) A seminar on theoretical problems of histology and histo-chemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological technique, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. One hour lecture and laboratory each week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

One hour per week lecture and three hours per week laboratory work during second half of the first medical year.

Textbook: Arey, "Developmental Anatomy."

Optional Texts: Jordan, Simkins, Bailey and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor E. G. D. Mu	RRAY, Chairman
Associate Professors	G. G. KALZ
J	. W. STEVENSON
Assistant Professors	C. D. KELLY
acts of F and Manny M. 10 10 not	J. DE VRIES
Tactainers	K. H. ELDER
a mind has afind ear to volue fact	F. A. JAFFE
	A. IVI. IVIASSON
	F. H. PRISSICK
Demonstrator (Teaching Fellow)	J. J. STOCK

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY FOR THE M.SC. DEGREE

APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE) lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)

14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Martin (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley & Wilson, Principles of Bacteriology, revised by Wilson & Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); R. W. Fairbrother, A Text-

Book of Medical Bacteriology (W. Heinemann); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press). S. P. Bedson et al., Virus & Rickettsial Diseases (Edward Arnold & Co.); A. J. Rhodes & C. E. van Rooven, Textbook of Virology (Nelson).

DEPARTMENT OF BIOCHEMISTRY

D. L. THOMSON, Chairman Professors J. H. QUASTEL O. F. DENSTEDT Associate Professors K. A. C. ELLIOTT R. D. H. HEARD Sessional Lecturer Judith Saffran

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Bodansky, "Introduction to Physiological Chemistry" (Wiley); Williams, "Textbook of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor R. P. VIVIAN, Chairman D. S. FLEMING Associate Professors C. W. MACMILLAN MARIAN WALL Assistant Professor Lecturers E. A. Blumenfeld H. E. Burke ETHEL COOKE bus daime we besite westerness W. H. CRUICKSHANK Tanta and A I bas adash I T (M. Rabinowitch H. G. Ross BARUCH SILVERMAN

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the second year the subject matter covered includes Vital Statistics; principles of Communicable Disease Control, Sanitation, Environmental Hygiene; and the organization and activities of the Public Health Service, with a consideration of the problem of the non-communicable diseases. This is timed to coincide with complementary material presented by other Departments.

Field trips are undertaken to observe the control of water, milk, and food supplies and the work of a Public Health Laboratory. Demonstrations are given on Pest Control and Industrial Hygiene.

An examination (minor) is held at the end of the second year.

In the third year lectures are given to the class as a whole on Population influences and trends; the W.H.O.; the problem of medical care; public welfare, voluntary agencies, and the medical social worker; social security, health insurance, and medical economics.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease; the work of the Provincial Public Health Laboratory is demonstrated, and the preparation of sera, vaccines, and toxoids observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Nutritional Education, Mental Hygiene, and Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the third year.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

- A. TOXICOLOGY i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.
 - ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead, and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE: A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

DEPARTMENT OF MEDICINE

Professors

J. S. L. BROWNE, Chairman

G. R. Brow

E. S. MILLS

Associate Professors

K. A. EVELYN
NEIL FEENEY
J. K. GORDON

I. M. RABINOWITCH BRAM ROSE W. DEM. SCRIVER

Assistant Professors

W. R. KENNEDY L. J. ADAMS Louis Lowenstein E. H. BENSLEY J. F. McIntosh H. E. BURKE D. G. CAMERON H. S. MITCHELL G. A. COPPING I. H. PALMER H. N. SEGALL C. W. FULLERTON F. MACI. SMITH W. H. P. HILL S. R. TOWNSEND J. G. HOWLETT

Lecturers

MICHAEL ARONOVITCH	C. J. MALLOY
C. S. BARKER	J. F. MEAKINS
R. C. BENNETTS	D. L. MENDEL
J. O. W. BRABANDER	C. J. PATTEE
R. A. CLEGHORN	J. R. QUINTIN
H. I. CRAMER	W. S. RODGER
A. F. FOWLER	MURRAY STALKER
G. W. HALPENNY	А. Т. Тном
L. G. Johnson	R. V. WARD
W. G. McLellan	P. G. WEIL
R. D. McKenna	G. E. WIGHT
K. R. MACKENZIE	

Demonstrators .

atory-thus affording students a modern

DAVID BARZA R. G. BAXTER F. M. BOURNE	LESTER McCallum
	M. McQuitty
PARKER CHESNEY	R. J. MURPHY
WILLIAM COHEN	Myron Notkin
BASIL CUDDIHY	E. A. S. REID
W. W. EAKIN	LORNE SHAPIRO
C I FOURNIER	GEORGE SHIMO
ALLEN GOLD	С. В. Ѕмітн
ALEX. GORDON	G. R. Turgeon
R. G. M. HARBERT GUY JORON	J. C. G. YOUNG

THERAPEUTICS

Associate Professor	W. DEM. SCRIVER
Assistant Professor	C. W. Fullerton
Lecturer	Guy H. Fisk

DERMATOLOGY

Clinical Professor	L. P. EREAUX
Assistant Professor	FREDERICK KALZ
Lecturers	
G. E. CRAIG	D. S. MITCHELL
B. D. USHER	

Demonstrators

R. R. FORSEY PAULA SHOPFLOCHER

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professor Browne and staff

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

COURSE II 3—LABORATORY DIAGNOSIS

Time-Last term of second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

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COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY.

Time—Weekly during the medical term.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

COURSE IV 10—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject-Demonstration and discussion of cases illustrating more complicated cases as compared to the Third Year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time-Once a week during medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term

Place-Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout year.

Place-Medical Building.

Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY Place-Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—Montreal General and Royal Victoria Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

(This course will not be given during the session 1951-52 as it has been transferred from the Third Year).

COURSE IV 18—CASE REPORTING

As in Third Year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned writing case reports and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham, Harvard Press; Todd and Sanford, Clinical Diagnosis by Laboratory Methods.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. 1, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine,

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis.

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease;

Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery	WILDER PENFIELD, Chairman
Professor of Neurosurgery	WILLIAM CONE
Professor of Experimental Neurology	HERBERT JASPER
Associate Professors of Neurology	DONALD MCEACHERN

FRANCIS McNaughton

Associate	Professor of Experimental Neurology	K. A. C. ELLIOTT
	Professors of Neurology	John Kershman Arthur W. Young
Assistant	Professor of Neurosurgery	ARTHUR ELVIDGE
	Professor of Neurological Radiology	DONALD MCRAE
	Professor of Experimental Neurology	Roy L. SWANK
	Professor of Neuroanatomy	†JERZY OLSZEWSKI

Lecturers in Neurology	C. MILLER FISHER	
HEADY HEADY TO THE	PRESTON ROB	
	G. MILTON SHY	
Lecturer in Neurosurgery	HAROLD W. ELLIOTT	

Demonstrator in Neurology	D. L. LLOYD-SMITH
Demonstrators in Neurosurgery	Revis Lewis
	Eric Peterson
Demonstrators in Neuropathology	IGOR KLATZO

		J. M. VAN BUREN
Demonstrator in	n Neuroanatomy	KENNETH EARLE
Demonstrator is	n Electroencephalography	Lewis Henderson

†Lady Davis Fellowship.

Fellows of the Montreal Neurological Institute:

IGOR KLATZO ROBERT AQUILINA GEORGE AUSTIN REVIS LEWIS MAITLAND BALDWIN CHOH-LUH LI ALEX. BARNUM ***D. LLOYD-SMITH JOHN BATES *C. AJEMONE MARSAN *WENCESLAS CALVO ERIC PETERSON ANATOLE DEKABAN H. LAMAR ROBERTS GORDON S. DUGGER GEORGE M. SHY K. M. EARLE T. J. SPEAKMAN W. F. GERBER **JULIUS STOLL R. MYLES GIBSON DONALD TOWER RAYMOND HAIN KENAN TÜKEL HOWARD HERMAN J. M. VAN BUREN PETER V. WESTHAYSEN

* Rockefeller Foundation Fellowship.

** National Foundation for Infantile Paralysis Fellowship.

*** Borden Neurological Fellowship.

**** U.S. National Cancer Institute.

SECOND YEAR

- 2A (ANATOMY 2) NEUROANATOMY. Lectures and Laboratory. Department of Anatomy.

 Professors McNaughton and Olszewski
- 2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department of Medicine. Professors McNaughton and Jasper
- 2C PHYSICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.). Dr. Robb

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays 8:45-9:40. M.N.I. Amphitheatre.

Professors Penfield and McNaughton

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 theatre clinics. Saturdays, 10:00-11-00. M.N.I. Amphitheatre.

Professors Cone and McEachern

- 4B-1 NEUROLOGICAL O.P.D. R.V.H. Outpatient Department. Monday and Thursday*, 2:00-3:00. Professor McEachern and Assistants
- 4C-1 NEUROLOGY WARD CLASSES. Department of Medicine. Wednesdays, 8:45-9:45 (R.V.H. group).
- 4B-2 COMBINED NEUROLOGICAL O.P.D. AND WARD CLASSES. M.G.H. Mondays & and Fridays, 2:00-3:00 (M.G.H. group).

 Dr. Robb and Assistants
- 4D-1 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.

 Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 1:00-2:00.

 Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. M.N.I. Conference Room. Tuesdays, 3:45-4:45.

 Professor McNaughton and Dr. Robb
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00-4:00.

 Drs. Robb and Fisher

ELECTIVE COURSES

- A. SEMINAR IN NEUROANATOMY. M.N.I. 4 hours weekly (12 weeks).
- Lectures, demonstrations and discussions, correlated with Seminar
 B in Neurophysiology.
- 2. Advanced neuroanatomy for selected group; brain modelling.

 Two evenings, beginning in November. Professor McNaughton
- B. SEMINAR IN NEUROPHYSIOLOGY. M.N.I. 3 hours weekly (12 weeks).

 Laboratory demonstrations, lectures, and discussions. Mondays, 5:00-6:00 and 8:00-10:00, beginning in November. Correlated with Seminar A in Neuroanatomy.

 Professor Jasper
- C. Colloquium in Clinical Neurology. 1 hour weekly. Clinics and lectures.

 Wednesdays, 5 p.m., M.N.I.

 Professor Penfield
- D. COLLOQUIUM IN NEUROSURGERY AND ELECTROENCEPHALOGRAPHY. M.N.I. 1 hour weekly. Tuesdays, 3 p.m. (10 months).

Professors Penfield and Jasper

^{*}Two Thursdays per month only.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor

N. W. PHILPOTT, Chairman

Assistant Professors

J. S. HENRY G. C. MELHADO ELEANOR PERCIVAL G. A. SIMPSON G. STREAN

Lecturers

I. E. Ayre G. B. MAUGHAN W. R. FOOTE J. L. MACARTHUR D. W. SPARLING K. T. MACFARLANE

I. Y. PATRICK

Demonstrators

GRACE DONNELLY Simon Gold Thomas Primrose

H. T. Lyon J. P. A. LATOUR JAS. HOLDEN ROUTLEDGE

The course is arranged to impart a practical knowledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the abnormal state is stressed.

C. V. WARD

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES

SECOND YEAR-

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

THIRD YEAR-

OBSTETRICS

1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour and the puerperium. Senior members of the Staff

- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Professor Simpson and Assistants
- 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Professor Simpson and Assistants
- 4. Six classes to demonstrate the care of the newborn.

 Professor G. Ross and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynæcological diseases.

 Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynæcological patients.

 Professor Ward and Assistants

FOURTH YEAR-

OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.

 Professor Philpott
- 2. Group ward rounds once a week to present the current interesting Professor Philpott
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

 Members of the Staff

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynæcology wards.

 Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynæcological Pathology.

 Dr. Latour and Assistants
- 3. Eight hours of clinical instruction are given in the diagnosis and treatment of genital cancer.

 Dr. Latour
- 4. Facilities are extended for attending sixteen gynæcology outpatient clinics.

 Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Johnstone, Textbook of Midwifery; Eastman, Textbook on Obstetrics; The Ten Teachers, Midwifery.

Gynæcology Text and Reference Books: Curtis, Textbook of Gynæcology; Novak, Textbook of Gynæcology; Shaw, Wilfred, Textbook of Gynæcology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Associate Professor K. B. Johnston, Chairman

Assistant Professor J. V. V. NICHOLLS

ecturers B. Alexander

R. J. VIGER

Demonstrators R. A. BOURNE

Hugh Duncan
L. S. S. Kirschberg
D. W. McDonald
William Turnbull

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the third and fourth year of the Medical course:—

The cluical courses are carried on in the wards and SASY DRIHT

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.....

FOURTH YEAR

this

tour

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are

discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May, Gifford, Parsons, Berens.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor	W. J. McNally, Chairman
Assistant Professors	E. E. SCHARFE
and the A. Better	G. E. TREMBLE
Lecturer	E. A. STUART
Demonstrators	A. GROSSMAN
	H. E. McHugh
	F. SHAVER
	E. John Smith

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh).

DEPARTMENT OF PAEDIATRICS

Teaching Fellows

Professor	ALTON GOLDBLOOM, Chairman	
Associate Professor	ALAN Ross	
Assistant Professors		
	Jessie Scriver E. M. Worden	
Lecturers		
	B. Benjamin	
	R. L. DENTON	
	P. N. MACDERMOT	
Demonstrators	HELEN BRICKMAN	
	S I DOUBLET	
	VICTOR C. GOLDBLOOM	
	ELEANOR HARPUR	
	ARNOID TOUNGON	
	ROBERT LENNOX	
	D. R. McCrimmon	
	J. H. O'NEIL	
	Sydney Pedvis	
	F. SHIPPAM	
	over niward on S. J. Usher	
	ISOBEL WRIGHT	
Hosmer Fellow	A. E. D. Burns	

Frances McCall

T. A. COWAN

REQUIRED COURSES

1. LECTURES

(a) An Introductory course of 12 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.

(b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine, etc.

Professor Goldbloom and Staff

2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MATERNITY PAVILION

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

Professors Goldbloom, Scriver, Ross, Geddes, and Worden

3. CLINICAL PAEDIATRICS

- (a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.
- (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, Ross, and Geddes, and Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive pædiatrics; Child Welfare Clinics.

Professor Scriver, and Drs. Usher, Doubilet, and Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Prof. Worden

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Porter and Carter, Management of the Sick Infant and Child; Smith, Physiology of the New Born Infant; Bakwin, Psychologic Care During Infancy and Childhood.

Reference Books: Brenneman, Practice of Pædiatrics (4 volumes); Von Reuss, Diseases of the New Born; Gesell, The Embryology of Behaviour; Patten, Human Embryology; Goldbloom, Care of the Child.

DEPARTMENT OF PARASITOLOGY

Professor T. W. M. CAMERON, Chairman

Associate Professors Donald Fairbairn

M. J. MILLER

L. P. E. CHOQUETTE

R. P. HARPUR

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers diadactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd edition).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. LYMAN DUFF, Chairman

Professors ROBERT H. MORE THEO. R. WAUGH

Associate Professor J. E. PRITCHARD

Assistant Professors G. C. McMillan R. C. Ross

Lecturers M. B. Mackenzie W. H. Mathews

F. W. Wiglesworth

Sessional Lecturer

KARL STERN

Demonstrators Sergio Bencosme

M. A. CHARENDOFF

Sessional Demonstrator

Fellows

M. A. SIMON

A. R. BAINBOROUGH

R. J. BRODRICK

W. M. DOUGLAS D. C. DRAPER

G. W. STOCK

REQUIRED COURSES

- 1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)
 - A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, More, and McMillan

- B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours. Professors McMillan and Ross with Demonstrators
- 2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)
 - A. Lectures during the Spring term of second year and throughout the third year totalling 96 hours.

Professors Duff, Waugh, More, and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms totalling 96 hours.

Professors Duff, Waugh, More, and Staff

- C. One demonstration of gross pathological material per week to students in small groups throughout the third year totalling 36 hours. Lecturers and Demonstrators
- 3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms Professor Duff (54 hours).

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute

Professors Duff and Ross

Montreal General Hospital

Professor Pritchard and Dr. Mathews

Children's Memorial Hospital

Dr. Wiglesworth

Textbooks: Bell, Text-Book of Pathology (Macmillan); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold).

Reference Books:

General: Anderson, Pathology (Mosby); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith and Gault, Essentials of Pathology (Appleton Century); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological and Obstetrical Pathology (Saunders); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

R. L. STEHLE, Chairman

Associate Professor of Pharmacology K. I. MELVILLE

Lecturer in Pharmacology

I. T. BECK

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms supplemented by one conference and one demonstration a week. Second year.

The conference groups are limited to four students each.

Professors Stehle, Melville, and -

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Professors Stehle and Melville, and Dr. Beck Second year.

Textbooks in Pharmacology: Cushny, Sollmann, Thienes, Krantz and Carr.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor A. S. V. BURGEN

Associate Professors B. D. BURNS Norris Giblin

Assistant Professors SIMON DWORKIN PAUL SEKELI

KATHLEEN G. TERROUX

Lecturer A. L. JOHNSON

V. B. BROOKS Demonstrators HELEN HENRIKSON

FIRST YEAR

1. PHYSIOLOGY and live assurbed sevient lid denotes A--- Top to receive a little

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from October.

oven. During the second year both those disorders where

Systematic Physiology: Best and Taylor, The Living Body; Howell, Textbook of Physiology; Starling, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wright, Applied Physiology.

OTHER COURSES Many Control of the Courses of the Course of the

Further courses are available only to students who have achieved a high standing in the required courses: by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Dy			

D. E. CAMERON, Chairman

Associate Professors R. A. CLEGHORN chiatric OMAM . B. A rement in the Royal Victoria Hospital, and in child outloM . B . A chiatry at the Mental Hygiene Institute

MIGUEL PRADOS BARUCH SILVERMAN

Assistant Professors

T. E. DANCEY F. R. HANSON G. E. REED

TAYLOR STATTEN KARL STERN ERIC WITTKOWER

Lecturers

V. A. KRAL SAUL ALBERT CARLO Bos H. LEHMANN HENRY HERSHON E. L. MARGETTS L. G. HISEY C. H. SKITCH

Demonstrators

H. A. Bowes JOAN SPINDLER M. STRAKER WALTER BREMNER HYMAN CAPLAN I. S. TYHURST ELLIOTT EMMANUEL SAUL WILNER

REQUIRED COURSES

1. PHYSIOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.

Professor Cameron

- PSYCHIATRY—Eighteen lectures on the basic behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis Professor Reed and Assistants will be considered.
- 3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out-Patient Departments.

Professors Cameron, Prados, and Moll, and Dr. Dancey

- A course of eight lectures will be given on child psychiatry during the Professor Silverman fourth year.
- Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug Professors Cameron, Stern, and Cleghorn
- 6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.

Professors Prados and Silverman

Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Professor Reed and Drs. Skitch and Lehman Hospital.

DEPARTMENT OF RADIOLOGY

CARLETON B. PEIRCE, Chairman Professor J. J. L. BOUCHARD Associate Professors JOSEPH W. McKay D. L. MCRAE Assistant Professor L. N. STEWART Lecturer H. M. Brown Demonstrators E. F. CRUTCHLOW C. F. WHITNEY

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Professors Peirce, McKay, Bouchard, and McRae, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

IV (1) Conference periods, two hours weekly each quarter during which the students in the several teaching hospitals discuss clinical case material with the Members of the Department.

Professors Peirce, McKay, Bouchard, and McRae, and Staff

IV (2) Tumour Conference. The final year students are expected to attend the Tumour or Neoplasm Clinics and Conferences in the several teaching hospitals, wherein the various means of diagnosis and treatment of malignant neoplasm are considered by representatives of the several departments of the teaching staffs, and their experience reviewed.

POST-GRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Sante, Principles of Roentgenological Interpretation; Holmes and Ruggles, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden (et al), Diagnostic Radiology; Pancoast, Pendergrass and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wessen and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

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Professors	G. GAVIN MILLER, Chairman R. R. FITZGERALD	
Associate Professors		

Associate Professors

J. C. ARMOUR	D. E. Ross
H. M. ELDER	P. G. Rowe
Meddid, Dolland	A. L. WILKIE

Assistant Professors

H. L. DAWSON	S. J. MARTIN
C. M. GARDNER	H. S. Morton
J. C. Luke	H. F. Moseley
C. A. McIntosh	D. R. WEBSTER

Lecturers

G. D. LITTLE
. W. MACKENZIE, JR.
E. A. McNaughton
H. G. PRETTY
A. M. VINEBERG

Demonstrators

F. N. Gurd
G. A. HOLLAND
R. N. LAWSON
R. C. Long
C. K. McLeod
J. C. SUTTON
F. W. WOOLHOUSE

ORTHOPAEDIC SURGERY

Assistant Professors	J. G. PETRIE
Demonstrators	J. G. SHANNON
A. A. BUTLER	S. E. GOLDMAN
J. J. DINAN	J. A. L. WALKER
	C. LAIRD WILSON

UROLOGY

Clinical Professor	E. S. SMITH
Lecturers	
A. B. HAWTHORNE	R. G. REID
S. A. MACDONALD	M. I. SENG
Demonstrators	
J. T. MacLean	MAX RATNER
C. M. Moore	ALEX. STRASBERG

REQUIRED COURSES

SECOND YEAR

23

Surgical teaching begins in the Winter term (24 weeks) of the second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

MEDICINE

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. Two students are in residence each evening from 6:00 to 11:00 p.m., and on call from that time until 7 a.m. at the Royal Victoria Hospital.

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY -

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

ANAESTHESIA —

Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the third and fourth years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery—2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals
- 4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

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- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Berman, Synopsis of Principles of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Romanis and Mitchener, The Science and Practice of Surgery; Rose and Carless, Manual of Surgery.
 - 2. Emergency Surgery: Cole and Puestow, Advanced First Aid; Hamilton Bailey, Emergency Surgery.

- 3. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.
- 4. Fractures and Dislocations: Magnuson, Fractures; Key and Conwell, Fractures and Dislocations; Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
- 5. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases; Geckler, Fractures and Dislocations.
- 6. Urology: Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
- 7. Orthopædic Surgery: Mercer, Orthopædic Surgery; Willis Campbell, Orthopædic Operations; Sever, Handbook of Operative Surgery; Steindler, Orthopædic Operations.

GRADUATE INSTRUCTION

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Public Health and a Diploma in Tropical Medicine and Hygiene are granted by McGill University.

These courses are conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the co-operation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN PUBLIC HEALTH

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The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS IN HEALTH; programmes designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programmes, including Preventive Medicine, especially as they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma in Public Health must be graduates in Medicine of a recognized university.

The Diploma in Public Health course covers one academic year from September to April, with three months' additional field work.

The Fee for the Diploma in Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application. Application must be made before June 1st.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and subtropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those who have taken the D.P.H. elsewhere.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

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Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Cytology and Dentistry.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital
Montreal General Hospital
Children's Memorial Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

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The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynæcological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynæcological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of pædiatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

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Honorary Librarian

R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the

Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the third and fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

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The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

The membership includes anen from each class in the Faculty, Several

McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1952-53

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

(a) These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, health service, physical education, sports, games and graduation, but do not include the Students' Society Fee (see page 303).

	C. 1 t-! Cociety Fee (see base 3(13)).	
	Students' Society Fee (see page 303).	\$300.00
Art	trance requirements of the various faculties and school of	325.00
Con	mmerce ntistry (laboratory equipment not included)	425.00
De	ntistry (laboratory equipment not included)vinity (except regular candidates for ordination)	250.00
Div	vinity (except regular candidates for ordination).	400.00
En	gineering and Architecture (all years)aduate Nurses (Diploma Course)	250.00
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Lil	prary School (includes library visits)	525.00
Me	edicine. Legitus of the Directors of the achoest concerned to a c	300.00
M	usic ysical Education	325.00
Ph	ysical Education	325.00
Ph	ysiotherapy	325.00
	ience	Stridents

(b) The following inclusive fees provide for only limited particips in physical education and sports, and do not include admission to ga	ames.
Graduate Studies	51.00
International Air Law	25.00

(c)	High School	Diploma	Course	(does	not	include	health	service,
Jones	physical educ	ation, spor	ts, or gai	mes)	1000	100000000	idalahi e	150.00

CONDITIONED STUDENTS Special fee for an additional course repeated or substituted by conditioned students (one full course or two half courses).... \$10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per half course	Per course	erety, xives, spy	ne . Uniy	\$90.00
	Per half course			45.00

1 ci nan course	Half	Full
PARTIAL STUDENTS	Courses	Courses
Arts, Science, and Commerce, per course	\$45.00	\$90.00
Engineering, per hour of instruction per week, per term.	15.00	15.00

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but partial students are also subject to the following additional fees:

- (a) Partial students taking less than three courses pay \$5.00 for the McGill Daily and use of the McGill Union, while those taking three or more full courses pay the regular Students' Society fee.
 - (b) Partial students taking three or more courses pay the Health Service Fee of \$7.00.
 - (c) Partial students also pay a Grounds Fee of \$5.00 and are entitled to use the outdoor athletic facilities such as tennis courts and rinks, but may not use the gymnasium and swimming pool or participate in team sports. If the full athletic and health service privileges of a regular student are desired, the fee payable is \$22.00 and a medical examination is required at the time of registration.

PAYMENTS BY INSTALMENTS

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251.00 401.00 325.00 service

\$10.0

\$90.0

\$90.1

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	\$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (see pages 311-312)	2.00
Graduation in absentia	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copy (at same time)	50
Duplicator master of student's record (12 copies)	2.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	10.00
Rental of microscope (per term)	7.50
Rental of microscope (for the session)	
McGill graduates and graduates of other Universities University Library on payment of an annual fee of \$5.00.	

III. STUDENTS' SOCIETY FEES

An annual fee of \$15 (\$16 in Engineering, Law, and Medicine) is payable by all undergraduates and partial students taking three or more full courses for the support of student organizations. Medical students pay an additional \$2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00. In Engineering Law, and Medicine the Undergraduate Society receives \$2.00.

The women's fee is distributed as follows: Women's Union \$3.50: McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

Students in the Faculty of Graduate Studies pay an annual fee of \$3.50 for the support of the McGill Union or Women's Union, and \$1.50 for the McGill Daily.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost \$1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

- 1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.
- 2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.
- 3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
- (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
- 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
- 5. Residence fees are payable for the full academic year and shall not be refunded, except in special circumstances.

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It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (see pages 306, 307, 309, 310). Books are necessarily a variable expense but probably \$50 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	\$650.00
Arts, Science, Commerce, Law	
Medicine and Dentistry (fourth year)	
Medicine and Dentistry (lower years)	

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of \$40.00 on the normal fee will be allowed.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

A House Fee of \$5.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	\$620.00
Arts, Science, Commerce, and Law	650.00

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of \$3.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

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The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and cannot answer correspondence.

The cost of board and lodging in approved rooms varies from \$60 to \$80 per month. Separately, board costs from \$40, and a room from \$25, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 300 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

APPLICATION FOR RESIDENCE

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, preferably by May 31st. (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (see paragraph on Health, page 309).

Admission is based on scholarship, character, health, and general promise.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First Year—Monday, September 22nd.

Upper Years-Monday and Tuesday, September 29th and 30th.

Residences will open for *first year students* on Friday, September 19th, when the mid-day meal will be the first to be served; and for *upper years* on Sunday, September 28th.

Students cannot enter residence before the date specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

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The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$685.00 and for a student occupying a double room, \$660.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$3.00 per day.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

A House Fee of \$7.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Science, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

MCLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senior nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular

prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES

Course	Period	Single	Multiple
Dentistry 1, 2, 3	Registration—End of Session	\$495	\$410
Dentistry 4	Registration—Convocation	500	415
High School Diploma	Registration—End of		
(Education)	Practice Teaching	535	440
Law 1, 2, 3	Registration—End of Session	420	350
Law 4	Registration—Convocation	460	380
Library School	Registration—Convocation	480	400
Medicine 1, 2, 3	Registration—End of Session	535	440
Medicine 4	Registration—Convocation	500	415
Social Work	Registration—End of Second	The same of	
and the same problems	Term	505	420
Graduate Faculty	Registration—End of the Examination period.	440	365

Additional periods will be charged at the following daily rates: Single, \$2.00; Multiple, \$1.65.

HEALTH SERVICE (MEN AND WOMEN)

The object of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

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The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term may result in the imposition of a fine of an additional \$5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

The University Health Service is organized to provide:

(a) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

The examination for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All third year students have a clinical check in addition to chest X-Ray and laboratory tests.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration.

The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a

charge of \$2.00 is made. Any student who fails to have a medical examination by the University Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 490 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

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This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health
Service, payment will be made for one-half of all public ward rates in a
designated general hospital up to a maximum of \$125.00 per student in

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus except in such areas as may be specifically designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur

Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

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All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS) manuful A roll frequencies to the state of the state o

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3480 University Street, has a complete stock of books and materials recommended by the Staff, and a supply of Engineering instruments, microscopes, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1952-53

1952

May 28th, Wednesday. Convocation.

June 16th, Monday. School Certificate Examinations begin.

June 25th, Wednesday. Geography Summer School begins.

June 26th, Thursday. French Summer School begins.

July 1st, Tuesday. Dominion Day.

August 2nd, Saturday. Geography Summer School ends.

August 8th, Friday. French Summer School ends.

August 28th, Thursday. Last day for filing Graduate theses for Autumn Convocation.

August 29th, Friday. Registration in Medicine and Dentistry begins. September 1st, Monday. Labour Day.

September 2nd, Tuesday. Registration in the School for Teachers. Registration in Medicine and Dentistry finishes. Students in certificate courses in Public Health Nursing and Advanced Psychiatric, Obstetric, and Paediatric Nursing report to the School for Graduate Nurses for field work. Agriculture Teaching Specialists register. School Certificate Examinations begin.

September 3rd, Wednesday. Supplemental examinations begin in Arts, Science, Commerce, Fine Arts, First Year Engineering, and in the School of Physical Education. Summer School in Mechanical Engineering begins. Lectures begin in all years of Medicine and Dentistry, for Agriculture Teaching Specialists, and in the School for Teachers.

September 4th, Thursday. High School Diploma students report for training in the Department of Education.

September 5th, Friday. Seminars begin for High School Diploma students. September 8th, Monday, to September 20th, Saturday. Final orals for Ph.D.

September 8th, Monday. Second and Third Year Women students in the School of Physical Education report for Autumn Outdoor School.

September 8th, Monday. Conservatorium of Music opens for practical work.

September 9th, Tuesday. Second and Third Year Men students in the School of Physical Education report for Autumn Outdoor School. Supplemental examinations begin in Upper Years of Engineering and Architecture. Special Summer Schools for Mechanical Drawing 511 and Supplementals begin.

September 10th, Wednesday. Homemaker students register.

- September 15th, Monday. Fall Survey School begins. Summer School in Fire Assaying begins. Students in certificate and first year degree courses in Teaching and Supervision and Administration in Schools of Nursing report to the School for Graduate Nurses for observation in Hospitals.
 - September 17th, Wednesday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Last day for reports on Ph.D. theses.
 - September 18th, Thursday. Architecture Sketching School begins. Supplemental examinations begin in the Faculty of Divinity.
 - September 19th, Friday. Last day for reports on Masters' theses. Registration of students in the Library School.
 - September 22nd, Monday. Registration of students in First Year Arts, Science, Commerce, Engineering, and Physical Education. Lectures begin in the Library School. Supplemental examinations begin in Divinity.
 - September 23rd, Tuesday. Freshman Welcome.

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- September 24th, Wednesday. Lectures begin in Music, and in the First Year of Arts, Science, Commerce, Engineering, and Physical Education. Registration of Second Year and part-time students in the School of Social Work.
- September 26th, Friday. Registration of First Year students in the School of Social Work.
- September 29th, Monday. Students register in Upper Years of Engineering and Architecture. Students in Second Year degree courses in Teaching and Supervision and Administration in Schools of Nursing and in degree and certificate courses in Public Health Nursing and in Administration and Supervision in Public Health Nursing register at the School for Graduate Nurses. Lectures begin in the School of Social Work.
- September 29th, Monday, and September 30th, Tuesday. Registration of Upper Year students in the Faculty of Arts and Science, Physical Education, and in all years of Law, Divinity, and Physical and Occupational Therapy.
- October 1st, Wednesday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in Upper Years of Arts, Science, Commerce, Fine Arts, Engineering, Architecture, and Physical Education, and in all years of Law, Agriculture, Household Science, Divinity, the School for Graduate Nurses, the School of Physical and Occupational Therapy, and the Faculty of Graduate Studies and Research.

October 6th, Monday. Founder's Day. Convocation. (James McGill born October 6th, 1744, died December 19th, 1813.)

Thanksgiving Day. No lectures. Date to be announced by the Dominion Government.

October 18th, Saturday. Last day of submitting certificates relating to summer employment in the Faculty of Engineering.

October 27th, Monday. Last day for registration (Registrar's Office) and payment of fees for students in the Faculty of Graduate Studies and Research.

October 30th, Thursday. Registration of Agriculture Diploma students.

November 10th, Monday. Autumn term examinations begin in the School for Teachers.

November 11th, Tuesday. Remembrance Day. No lectures.

November 17th, Monday, to November 28th, Friday. First practice teaching period in the School for Teachers.

December 1st, Monday. Winter term begins in the School for Teachers.

December 6th, Saturday, to December 13th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.

December 12th, Friday. Last day of lectures in the Library School.

December 16th, Tuesday, to December 19th, Friday. Examinations in the Library School.

December 19th, Friday. Last day of lectures and field work in the School of Social Work. Last day of lectures at Macdonald College.

December 20th, Saturday. Last day of lectures in all other faculties and schools.

1953

January 5th, Monday. Examinations begin in Arts, Science, Commerce, Fine Arts, Engineering, Architecture, Divinity, Physical Education, and Graduate Nurses. Second term begins in Law and Graduate Studies. Lectures resumed in Medicine, Dentistry, Music, Agriculture, Household Science, the Library School, and Physical and Occupational Therapy. Lectures and field work resumed in the School of Social Work.

January 5th, Monday, to January 16th, Friday. Second practice teaching period in the School for Teachers.

January 12th, Monday. Second term begins in Arts, Science, Commerce, Fine Arts, Engineering, Architecture, Divinity, Physical Education, and the School for Graduate Nurses.

January 16th, Friday. First term ends in the School of Social Work.

January 21st, Wednesday, to January 23rd, Friday. Examinations in the School of Social Work.

January 26th, Monday. Second term begins in the School of Social Work.

February 10th, Tuesday. Founder's Day at Macdonald College. (Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 13th, Friday, and February 14th, Saturday. Mid-term weekend holiday.

February 21st, Saturday. Examinations in German for Ph.D. students in Physics only.

Dates to be announced. Library School trip.

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February 28th, Saturday. Winter term lectures end in the School for Teachers.

March 2nd, Monday, to March 13th, Friday. Third practice teaching period in the School for Teachers.

March 16th, Monday. Spring term begins in the School for Teachers.

April 2nd, Thursday. Lectures end in Upper Years of Engineering and Architecture.

April 3rd, Friday, to April 6th, Monday (inclusive). Easter vacation.

April 7th, Tuesday. Last day for filing Ph.D. theses.

April 8th, Wednesday. Examinations begin in Upper Years of Engineering and Architecture.

April 18th, Saturday. Lectures end in First Year Engineering and in all other faculties and schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 20th, Monday. Last day for filing theses for Masters' degrees.

April 22nd, Wednesday. Examinations begin in Arts, Science, Commerce, Fine Arts, First Year Engineering, all years in Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses and the School of Physical and Occupational Therapy.

April 24th, Friday. Examinations begin in the Theory of Music.

April 25th, Saturday, to May 9th, Saturday. Final orals for Ph.D.

April 27th, Monday. Examinations begin in Higher Theoretical Music.

May 1st, Friday. Last day for application for the majority of Graduate Fellowships.

May 1st, Friday. Lectures end in the Library School, and the School of Social Work.

May 2nd, Saturday. Last day of lectures in Music.

May 4th, Monday. Last day for reports on Ph.D. theses.

May 4th, Monday. Practical Examinations in Music begin.

May 5th, Tuesday, to May 8th, Friday. Examinations in the Library School.

May 6th, Wednesday, to May 8th, Friday. Examinations in the School of Social Work.

May 8th, Friday. Last day for reports on Masters' theses.

May 11th, Monday. Full-time field work in First Year of the School of Social Work and full time research work in Second Year begin.

May 11th, Monday, to May 22nd, Friday. Practice work in the Library School.

May 18th, Monday. Final examinations begin in the School for Teachers and for Homemakers.

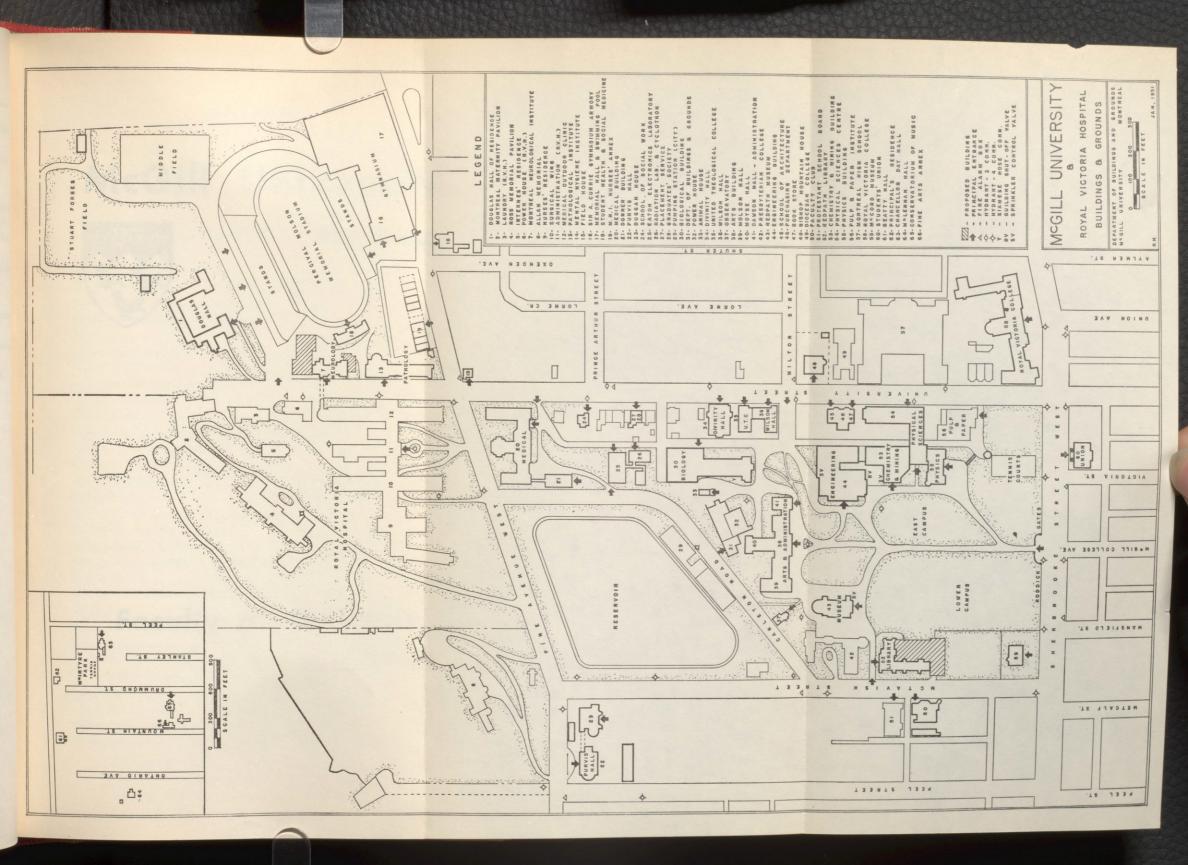
May 27th, Wednesday. Convocation.

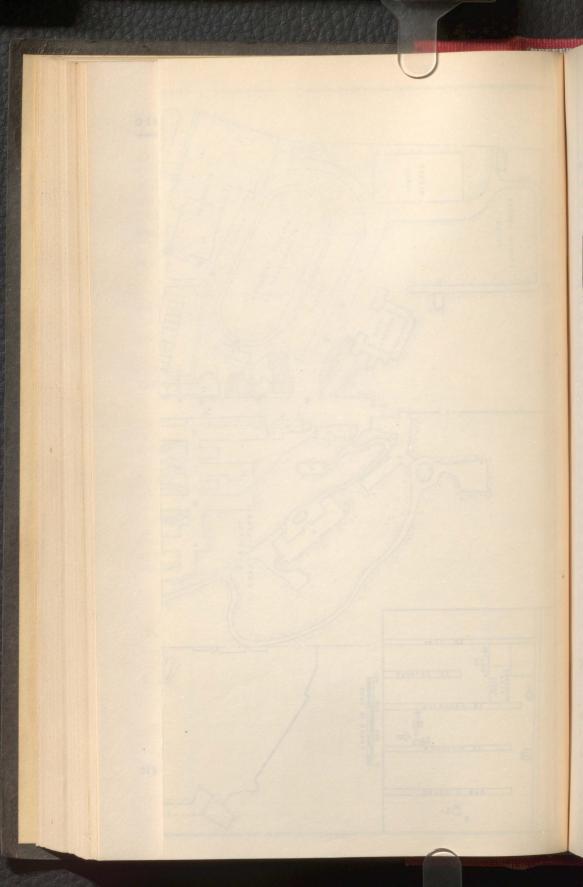
May 31st, Sunday. Divine Service, School for Teachers and Homemaker class of the School of Household Science.

June 4th, Thursday. Graduation exercises, School for Teachers and Homemakers class of the School of Household Science.

June 19th, Friday. Second term ends in the School of Social Work.

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McGill University



Montreal

Faculty of Medicine

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts, in Pure Science, and in Fine Arts. There is a separate announcement for the School of Commerce)

Faculty of Medicine

Faculty of Medicine Post Graduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Geography Summer School

Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

D.Sc., D.C.L., LL.D., D. de l'U., F.R.S.C. Principal
JOHN J. O'NEILL, M.Sc., Ph.D., F.G.S.A., F R.S.C. Vice-Principal
G. LYMAN DUFF, M.D., M.A. (Tor.), Ph.D., F.R.S.C. Dean of the Faculty
D. S. Fleming, D.P.H. (Tor.), B.A., M.D., C.M. Secretary of the Faculty
S. H. DOBELL, D.S.O. Comptroller and Executive Assistant to the Principal
WILLIAM BENTLEY, C.G.A., A.C.I.S., L.C.M.I. Bursan
T. H. MATTHEWS, M.A. Registrat
G. A. GRIMSON, B.Com. Chief Accountan
RICHARD PENNINGTON, B.A., Lib.Dip. University Librarian
R. L. STEHLE, M.A. (Ohio State), Ph.D. (Yale) Honorary Medical Librarian
W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M. Osler Librarian and Director of the Museum of the History of Medicine
Myra C D Myran

Special announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

CVRU JAMES, Chevalier de la Légion d'Honnieur, B.Com, M. NoPhuD.

finy J. O'NERL, M.Sc., Ph.D., F.G.S.A., F.R.S.C.

LYMAN DUFF, M.D., M.A. (Tor.), Ph.D., F.R.S.C. Deck of the Faculty

S. H. Donett, D.S.O. Compholier and Executive Assistant to the Principal

William Bentier, C.G.A., A.C.I.S., L.C.M.I.

P.H. Matthews, M.A.

CA. Grunson, B.Com.

CCHARD PENNINGTON, B.A., Lib.Dip.

L. STERLE, M.A. (Ohio State), Ph.D. (Yale) Honorary Medi

(a.W. Fhancis, A.B., M.D. (Johns Hopkins), M.D., C.M.
Oslar Librarian and Director of the Museum of the History of Medicin

Miss G. D. Munge. Assistant Secretary of the Foc

Represents with Great Britain.

Second announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

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Of Medicine, is printed as a separate announcement, which may be obtained

from the Registrar's Office.

Faculty of Medicine

The one hundred and twentieth session of the Faculty will open on September 3rd, 1952, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and
Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of reason why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING and all distress and agoloos to agoloos

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, August 29th or Tuesday, September 2nd, 1952. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

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The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

UNIVERSITY FEES

Annual fee Students' Society and Medical Students' Journal fees.	\$525.00
Students in the fourth year also pay for meals at the Montreal Maternity Hospital	letsibemmil \$ 5.00
If paid in two instalments: First year only — First instalment, on registration	271.50
Less half deposit	274.00 25.00 \$249.00
Second instalment, February 1st	

MEDICINETARTEDER

- 2. REPEATING STUDENTS Students repeating a year pay full fees.
- 3. PARTIAL STUDENTS

 Qualified students may be admitted as partials to one or more courses on payment of special fees.
- The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.
- 6. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H. taken elsewhere. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 2nd, to Thursday, September 4th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout

his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

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For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Pædiatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anæsthesia.

FOURTH SESSION lesigned beyong as he gillesingthi

Medicine*, Surgery*, Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

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A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

GRADING

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rears ments At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C=Fair

D = Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
- 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q. Ontario—Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont. New Brunswick—Dr. J. M. Barry, 182 Princess St., Saint John, N.B. Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

Manitoba—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

Alberta—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

Saskatchewan—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. Murray Blair, 1807 West 10th Avenue, Vancouver 9, B.C.

Newfoundland-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 180 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor H. R. GRIFFITH, Chairman

Assistant Professors C. C. STEWART F. A. H. WILKINSON

Lecturers

W. G. Cullen
R. S. Ferguson
R. G. B. Gilbert
A. F. Pasquet

H. M. SLATER W. C. STOCKWELL

Demonstrators

R. K. CUMMING

H. A. DAVENPORT

GLADYS ELLISON

J. J. KELLY

P. E. O'SHAUGHNESSY

UNDERGRADUATE COURSES Sharefunds LIVE mobine to be still family

A student in Medicine, before reaching that part of the curriculum which deals with anæsthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anæsthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anæsthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anæsthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anæsthetists and attends four well-planned lecture-demonstrations.

DEPARTMENT OF ANATOMY

Robert Reford Professor C. P. MARTIN, Chairman

Professor C. P. LEBLOND

Associate Professor S. M. BANFILL

Assistant Professor D. S. FORSTER

ecturers Phoebe L. Cox

CATHERINE STEVENS

E. WALTER WORKMAN

HOWARD ROOT S. S. SMAILL

Demonstrators

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

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One hour per week lecture and demonstration during the Winter and Spring terms of the third medical year.

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional Anatomy.

Optional Texts: Quain; Piersal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, Atlas of Human Anatomy.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Gowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts:

- (a) A seminar on theoretical problems of histology and histo-chemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological technique, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. One hour lecture and laboratory each week.

FMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

One hour per week lecture and three hours per week laboratory work during second half of the first medical year.

Textbook: Arey, "Developmental Anatomy."

Optional Texts: Jordan, Simkins, Bailey and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor E. G. D. MURRAY, Chairman
Associate Professors G. G. KALZ
J. W. STEVENSON
Assistant Professors J. A. DE VRIES
C. D. KELLY
A. M. MASSON
Lecturers D. H. GILLEN
PAUL MAHEUX
F. H. PRISSICK
Demonstrator (Teaching Fellow) H. H. WHITEHEAD
Research Fellow FRITZ BLANK
Research Associate EDITH MANKIEWICZ

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

ted

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

- 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES
 OF INFECTIOUS DISEASES
 - 20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.
- 3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

- 6. BACTERIOLOGY AND IMMUNOLOGY POST-GRADUATE SEMINARS AND DISCUSSIONS
- 8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE)
 22 lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)

14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Martin (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley and Wilson, Principles of Bacteriology, revised by Wilson and Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); R. W. Fairbrother, A Text-Book of Medical Bacteriology (W. Heinemann); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press). S. P. Bedson et al., Virus & Rickettsial Diseases (Edward Arnold & Co.); A. J. Rhodes and C. E. van Rooven, Textbook of Virology (Nelson).

DEPARTMENT OF BIOCHEMISTRY

Professors

D. L. THOMSON, Chairman

Associate Professors

J. H. QUASTEL O. F. DENSTEDT K. A. C. ELLIOTT

Sessional Lecturer

R. D. H. HEARD M. T. RYAN

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Bodansky, "Introduction to Physiological Chemistry" (Wiley); Williams, "Textbook of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill); Thorpe, "Biochemistry for Medical Students" (Churchill); West and Todd, "Textbook of Biochemistry (Macmillan).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Associate Professors

Assistant Professor

Strathcona Professor R. P. VIVIAN, Chairman

D. S. FLEMING

C. W. MACMILLAN

MARIAN BAIN Lecturers E. H. Bensley

E. A. BLUMENFELD H. E. BURKE

ETHEL COOKE W. H. CRUICKSHANK

anoite hands to be a few H. G. Ross BARUCH SILVERMAN

Demonstrator Mrs. E. R. WAYGOOD

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the second year the subject matter covered includes the principles of Communicable Disease Control, Sanitation, Environmental Hygiene, Population and Vital Statistics, and the organization and activities of the Public Health Service, with a consideration of the problem of the non-communicable diseases. This is timed to coincide with complementary material presented by other Departments.

Field trips are undertaken to observe the control of water and milk and the work of a Public Health Laboratory. Lecture demonstrations are given on Food Control, Pest Control, and Industrial Hygiene.

An examination (minor) is held at the end of the second year.

In the third year lectures are given to the class as a whole on Population influences and trends; the problem of medical care; public welfare, social security, health insurance, and medical economics.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease. The preparation of sera, vaccines, and toxoids is observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Mental Hygiene, and Nutritional and General Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the third year.

Text and Reference Books: Mustard, Introduction to Public Health; Maxcy, Rosenau's Preventive Medicine and Hygiene.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A. TOXICOLOGY

i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead, and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE WAS , noits in se louis

A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales,

Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

DEPARTMENT OF MEDICINE

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Professors

J. S. L. Browne, Chairman G. R. Brow

Associate Professors

K. A. EVELYN BRAM ROSE
NEIL FEENEY W. DEM. SCRIVER

Assistant Professors

L. J. Adams J. F. McIntosh E. H. BENSLEY K. R. MACKENZIE H. E. BURKE D. L. MENDEL D. G. CAMERON H. S. MITCHELL G. A. COPPING J. H. PALMER C. W. FULLERTON C. J. PATTEE W. H. P. HILL H. N. SEGALL J. G. HOWLETT F. MACI. SMITH L. G. JOHNSON S. R. TOWNSEND W. R. KENNEDY G. R. TURGEON Louis Lowenstein

Lecturers

MICHAEL ARONOVITCH C. J. MALLOY C. S. BARKER E. L. MARGETTS J. F. MEAKINS R. C. Bennetts J. R. QUINTIN J. O. W. BRABANDER R. A. CLEGHORN W. S. RODGER H. I. CRAMER MURRAY STALKER A. F. FOWLER А. Т. Тном G. W. HALPENNY R. V. WARD W. G. McLellan P. G. Weil R. D. McKenna G. E. Wight

Demonstrators Demonstrators C. K. BALLEM A. W. LAPIN DAVID BARZA WILFRED LEITH R. G. BAXTER B. A. LEVITAN LESTER McCALLUM F. M. BOURNE LAUDER BRUNTON A. D. MACDONALD LAUDER BRUNTON A. D. WACDONALD
LLOYD CASWELL P. N. McDermott PARKER CHESNEY MELVYN McQUITTY R. J. MURPHY WILLIAM COHEN Myron Notkin BASIL CUDDIHY W. W. Eakin J. A. Pare ALLEN GOLD E. A. S. REID ALEX. GORDON J. H. RUBIN R. G. M. HARBERT L LORNE SHAPIRO C. B. SMITH Louis Horlick J. C. G. Young GUY JORON

THERAPEUTICS

Associate Professors	C. W. Fullerton W. deM. Scriver	
Lecturers	Guy H. Fisk B. L. Franks	

DERMATOLOGY

Clinical Professor	L. P. EREAUX	
Assistant Professors	ssors FREDERICK KA	
a second of a M. Heroitus.	R. R. FORSEY	

Lecturers

G. E. CRAIG		B. D.	USHER
D. S. MITCHEL	LTSHENWO		
Demonstrators			

PAULA SHOPFLOCHER

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

C. J. FOURNIER

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professor Browne and staff

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time—Second and third terms of second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

MEDICINE

COURSE II 3—LABORATORY DIAGNOSIS

Time-Last term of second year.

Place-Medical Building.

Subject-Instruction and practice 2 periods a week in microscopy as Professor McIntosh and Assistants applied to clinical medicine.

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once weekly throughout year.

Place-Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject-Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time-Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8-A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY.

Time-Weekly during the medical term.

Place-Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

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COURSE IV 10-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third Year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place-Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place-Medical Building.

Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY

Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—Montreal General and Royal Victoria Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third Year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned writing case reports and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information

Clinical and Laboratory Methods and Physical Diagnosis: Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham, Harvard Press; Todd and Sanford, Clinical Diagnosis by Laboratory Methods.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. 1, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis.

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

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Professor of Neurology and Neurosurgery WILDER PENFIELD, Chairman Professor of Neurosurgery WILLIAM CONE Professor of Experimental Neurology HERBERT JASPER Associate Professor of Neurology Francis McNaughton Associate Professor of Experimental Neurology K. A. C. Elliott Assistant Professors of Neurology HENRY HÉCAEN PRESTON ROBB ARTHUR W. YOUNG Assistant Professor of Neurosurgery ARTHUR ELVIDGE Assistant Professor of Neurological Radiology DONALD MCRAE Assistant Professor of Experimental Neurology ROY L. SWANK Assistant Professor of Neuroanatomy JERZY OLSZEWSKI Lecturers in Neurology C. MILLER FISHER *D. L. LLOYD-SMITH BERNARD SMITH Lecturer in Neurosurgery HAROLD W. ELLIOTT Lecturers in Experimental Neurology C. AJMONE-MARSAN DONALD TOWER Demonstrator in Neurology REUBEN RABINOVITCH Demonstrators in Neurosurgery MAITLAND BALDWIN

Demonstrator in Neuropathology

Demonstrator in Electroencephalography

MAITLAND BALDWIN
WILLIAM FEINDEL
JOHN HANBERY
GORDON S. DUGGER
LEWIS HENDERSON

Fellows of the Montreal Neurological Institute

V. C. Anguli

Maitland Baldwin

Guy Courtois

Gordon S. Dugger

Doros Oeconomos

William Feindel

Pierre Gloor

Fuad Haddad

David Ingvar

C. Ajmone-Marsan

C. Ajmone-Marsan

Alberto Martinez-Coll

Alan Rothballer

Bernard Smith

**Donald Tower

David Ingvar

Kenan Tükel

^{*} Borden Neurological Fellowship

^{**} Markle Fellowship

ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Professors McNaughton and Olszewski

- 2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department Professors McNaughton and Jasper of Medicine.
- 2C NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.). Professor Robb

THIRD YEAR

SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays, 3A 8:45 to 9:40. M.N.I. Amphitheatre. Professors Penfield and McNaughton

FOURTH YEAR

- NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 theatre clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre. Professors Cone and McNaughton
- 4B-1 NEUROLOGICAL O.P.D. R.V.H. Outpatient Department. Monday and Professor McNaughton and Assistants Thursday*, 2:00-3:00.
- 4C-1 NEUROLOGY WARD CLASSES. Department of Medicine. Wednesdays, Professor Young 8:45-9:45 (R.V.H. group).
- 4B-2 COMBINED NEUROLOGICAL O.P.D. AND WARD CLASSES. M.G.H. Mondays & and Fridays, 2:00-3:00 (M.G.H. group).
- Professor Robb and Assistants 4C-2
- 4D-1 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.

Professor Cone and Assistants

4D-2 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 1:00-2:00.

Professor Elvidge and Assistants

^{*}Two Thursdays per month only.

- 4E-1 NEUROLOGY SEMINAR. M.N.I. Tuesdays, 3:45-4:45. Professor Robb and Assistants
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, Professor Robb and Assistants

ELECTIVE COURSES

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- A. SEMINAR IN NEUROANATOMY. M.N.I. 3 hours weekly (6 months).
- 1. Lectures, demonstrations and discussions, correlated with Seminar in neurophysiology (B), Mondays, 5 p.m., beginning in November.
 - 2. Advanced Neuroanatomy for selected group; brain modelling; 2 laboratory periods weekly beginning in December; times to be arranged. Professors McNaughton and Olszewski
- B. SEMINAR IN NEUROPHYSIOLOGY, M.N.I. 2 hours weekly (6 months). Lectures, demonstrations and discussions, correlated with Seminar in Neuroanatomy (A), Mondays, 8 p.m., beginning in November. Professor Jasper and Dr. Ajmone-Marsan
- C. COLLOQUIUM IN CLINICAL NEUROLOGY, 1 hour weekly. Clinics and lectures. Wednesdays, 5 p.m., M.N.I. Dr. Lloyd-Smith
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: Neurosurgical, Electroencephalographic, and Roentgenographic Conference. M.N.I., 2 hours weekly (9 months). Professors Penfield, Jasper, and McRae

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor

N. W. PHILPOTT, Chairman

Assistant Professors

I. S. HENRY ELEANOR PERCIVAL G. A. SIMPSON G. J. STREAN C. V. WARD

Lecturers

J. L. MACARTHUR

W. R. FOOTE K. T. MACFARLANE J. P. A. LATOUR G. B. MAUGHAN D. W. SPARLING Demonstrators

GRACE DONNELLY MYER HENDELMAN

P. R. Blahey Joseph Portnuff THOMAS PRIMROSE SIMON GOLD JAS. HOLDEN ROUTLEDGE F. J. TWEEDIE

The course is arranged to impart a practical knowledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES

SECOND YEAR-

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professors Philpott and Simpson and Dr. Latour

THIRD YEAR-

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, Senior members of the Staff and the puerperium.
- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal Professor Simpson and Assistants presentations.
- 3. Six clinics in the caseroom or wards to teach the care of the patient Professor Simpson and Assistants in the hospital.
- 4. Six classes to demonstrate the care of the newborn.

Professor J. B. Scriver and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynæcological diseases. Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynæcological patients. Professor Ward and Assistants

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OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.

 Professor Philipott
- 2. Group ward rounds once a week to present the current interesting cases.

 Professors Philpott and Simpson
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

 Members of the Staff

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynæcology wards.

 Senior members of the Staff
 - 2. Eight lecture-demonstrations in Gynæcological Pathology.

 Dr. Latour and Assistants
 - 3. Eight hours of clinical instruction are given on the diagnosis and treatment of genital cancer.

 Dr. Latour
 - 4. Facilities are extended for attending sixteen gynæcology outpatient clinics.

 Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery.

Gynæcology Text and Reference Books: Curtis-Huffman, Textbook of Gynæcology; Novak, Textbook of Gynæcology; Shaw, Wilfred, Textbook of Gynæcology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Associate Professors K. B. Johnston, Chairman

Assistants Professors Benjamin Alexander
J. V. V. Nicholls

Lecturers L. S. S. Kirschberg

abla R. J. Viger

Demonstrators

R. A. BOURNE
J. B. CONROY
HUGH DUNCAN
H. WYATT LAWS
D. W. MCDONALD
WILLIAM TURNBULL

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the third and fourth year of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May, Gifford, Parsons, Berens.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor W. J. McNally, Chairman

Assistant Professors E. E. Scharfe
G. E. Tremble

Lecturers H. E. McHugh
F. W. Shaver
E. A. Stuart

Demonstrators Arnold Grossman
E. John Smith

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

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A course of 6 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh).

DEPARTMENT OF PAEDIATRICS

Professor	ALTON GOLDBLOOM, Chairman		
Associate P	rofessor	ALAN ROSS	
Assistant F	rofessors	R. L. DENTON	
		A. K. GEDDES	
		JESSIE SCRIVER	
		E. M. Worden	
Lecturers		II. D. Ditchib	
		DEN DENJAMIN	
		P. N. MACDERMOT	
Demonstra		HELEN BRICKMAN	
		T. A. COWAN	
		S. I. Doubilet	
		VICTOR C. GOLDBLOOM	
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ala sinetw s		SYDNEY LEDVIS	
		I REDERICK SHIFTAM	
		S. J. USHER	
		ISOBEL WRIGHT	
Teaching I	Fellows	FRANCES McCall	
		GRANVILLE NICKERSON	

REQUIRED COURSES

1. LECTURES

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- (a) An Introductory course of 12 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine, etc.

Professor Goldbloom and Staff

2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MATERNITY PAVILION

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

Professors Goldbloom, Scriver, Ross, Geddes, and Worden

3. CLINICAL PAEDIATRICS

- (a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.
 - (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, Ross, and Geddes, and Staff

(c) Care and feeding of the normal infant, immunization procedures preventive pædiatrics; Child Welfare clinics.

Professor Scriver, and Drs. Usher, Doubilet, and Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Professor Worden

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson and Moncrieff, Diseases of Children.

Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine

Disorders in Childhood and Adolescence; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Goldbloom, Care of the Child.

DEPARTMENT OF PARASITOLOGY

Professor

T. W. M. CAMERON, Chairman

Associate Professors

DONALD FAIRBAIRN M. J. MILLER

Assistant Professor

R. P. HARPUR

Lecturer

L. P. E. CHOQUETTE

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers diadactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd edition).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. LYMAN DUFF, Chairman

Professor

THEO. R. WAUGH

Associate Professors G. C. McMillan

J. E. Pritchard Douglas O. W. Waugh Assistant Professor

Lecturers

W. H. Mathews
F. W. Wiglesworth

Sessional Lecturers

M. B. Mackenzie
R. C. Ross

Karl Stern

Demonstrators

DINA GORDON
F. G. STEEN
H. T. VAN PATTER

Sessional Demonstrator M. A. SIMON
Fellows K. M. EARLE
IGOR KLATZO

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

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A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, McMillan, and Douglas Waugh

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professors Douglas Waugh and Kobernick with Demonstrators

2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)

A. Lectures during the Spring term of second year and throughout the third year totalling 96 hours.

Professors Duff, Theo. R. Waugh, and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms totalling 96 hours.

Professors Duff, Theo. R. Waugh, and Staff

C. One demonstration of gross pathological material per week to students in small groups throughout the third year totalling 36 hours.

Lecturers and Demonstrators

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

Professor Duff

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute

Professors Duff and Kobernick

Montreal General Hospital

Professor Pritchard and Dr. Mathews

Children's Memorial Hospital

Dr. Wiglesworth

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith and Gault, Essentials of Pathology (Appleton Century); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Novak, Gynæcological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

R. L. STEHLE, Chairman

Associate Professor

K. I. MELVILLE

Lecturer

I. T. BECK

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms supplemented by one conference and one demonstration a week. Second year.

The conference groups are limited to four students each.

Professors Stehle and Melville, and Dr. Beck

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Second year. Professors Stehle and Melville, and Dr. Beck

Textbooks: Cushny, Sollmann, Thienes, Krantz and Carr, Clark.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor

A. S. V. BURGEN

Associate Professors

B. D. Burns

Assistant Professors

Norris Giblin
Simon Dworkin

PAUL SEKELJ KATHLEEN G. TERROUX

Lecturers

V. B. Brooks Helen Henrikson

A. L. JOHNSON

Teaching Fellow

PETER OBORIN

FIRST YEAR

1. PHYSIOLOGY

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from October.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Howell, Textbook of Physiology; Starling, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wiggers, Physiology in Health and Disease; Wright, Applied Physiology.

OTHER COURSES

Further courses are available only to students who have achieved a high standing in the required courses: by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Professor
Associate Professors

D. E. CAMERON, Chairman

R. A. CLEGHORN
R. B. MALMO
A. E. MOLL
MIGUEL PRADOS
BARUCH SILVERMAN

Assistant Professors T. E. DANCEY or has deligned anotal / tayou add at moon F. R. Hanson and the H. E. LEHMANN G. E. REED TAYLOR STATTEN KARL STERN ERIC WITTKOWER

Lecturers

SAUL ALBERT L. G. HISEY JACQUES BEAUBIEN V. A. KRAL CARLO BOS A. W. MACLEOD ELLIOTT EMMANUEL E. L. MARGETTS HENRY HERSHON C. H. SKITCH

Demonstrators

H. A. Bowes B. F. GRAHAM WALTER BREMNER MURRAY SAFFRAN HYMAN CAPLAN JOAN SPINDLER FERN CRAMER MANUEL STRAKER BERNARD GRAD SAUL WILNER

REQUIRED COURSES

PHYSIOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.

Professor Cameron

- 2. PSYCHIATRY—Eighteen lectures on the basic behavioral disorders will be given. During the second year both those disorders which require hos pitalization and those which can be dealt with on an ambulant basis will be considered. Professor Reed and Assistants
- 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out-Patient Departments.

Professors Cameron, Prados, Moll, and Dancey

- 4. A course of eight lectures will be given on child psychiatry during the fourth year. Professor Silverman
- 5. Clinical demonstrations, out-patient instruction, and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. Professors Cameron, Stern, and Cleghorn

6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.

Professors Prados and Silverman

7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Professors Reed and Lehman and Dr. Skitch Hospital.

DEPARTMENT OF RADIOLOGY

CARLETON B. PEIRCE, Chairman Professor J. J. L. BOUCHARD Associate Professors JOSEPH W. MCKAY D. L. MCRAE Assistant Professor Assistant Professor L. G. STEPHENS-NEWSHAM of Physics N. M. Brown Lecturers E. F. CRUTCHLOW R. G. FRASER Demonstrators C. F. WHITNEY, JR.

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastrointestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination. Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systematic roentgen pathology, and the principles of roentgen and radium therapy.

Professors Peirce, McKay, Bouchard, and Stephens-Newsham, McRae, and Staff.

FOURTH YEAR

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IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, McKay, Bouchard, and McRae, and Staff

POST-GRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors G. GAVIN MILLER, Chairman R. R. FITZGERALD

Associate Professors

I. C. ARMOUR D. E. Ross

P. G. Rowe A. L. WILKIE

Assistant Professors

H. L. DAWSON C. M. GARDNER MARK KAUFMANN I. C. LUKE C. A. McIntosh

S. J. MARTIN H. S. MORTON H. F. Moseley D. R. WEBSTER

Lecturers

H. A. BAXTER D. W. MACKENZIE, JR. E. A. McNaughton S. G. BAXTER H. G. PRETTY H. S. DOLAN A. M. VINEBERG JOHN GERRIE G. D. LITTLE

Demonstrators

F. D. ACKMAN R. N. LAWSON A. R. BAZIN E. H. CAYFORD C. K. McLeod W. M. COUPER J. C. SUTTON J. C. DICKISON F. W. WOOLHOUSE G. A. HOLLAND

R. C. Long

ORTHOPAEDIC SURGERY

Assistant Professors J. G. PETRIE

J. G. Shannon

Lecturer J. A. L. WALKER

Demonstrators

A. A. BUTLER S. E. GOLDMAN J. J. DINAN C. LAIRD WILSON

UROLOGY

Clinical Professor

E. S. SMITH

Assistant Professor

R. G. REID

Lecturers

A. B. HAWTHORNE S. A. MACDONALD

M. I. SENG

J. T. MACLEAN MAX RATNER C. A. MOORE

ALEX. STRASBERG

REQUIRED COURSES

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. Two students are in residence each evening from 6:00 to 11:00 p.m., and on call from that time until 7 a.m. at the Royal Victoria Hospital.

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY -

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA -

Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the third and fourth years at the Montreal General and Royal Victoria Hospitals.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery—2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.
- 4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery;
- 2. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.
- 3. Fractures and Dislocations: Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
 - 4. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases.

- 5. Urology: Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
 - 6. Orthopædic Surgery: Mercer, Orthopædic Surgery; Willis Campbell, Orthopædic Operations.

GRADUATE INSTRUCTION

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Public Health and a Diploma in Tropical Medicine and Hygiene are granted by McGill University.

These courses are conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the co-operation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN PUBLIC HEALTH (D.P.H.)

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

sociology, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES, PHYSICAL AND MENTAL: Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS IN HEALTH; programmes designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programmes, including Preventive Medicine, especially as they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma in Public Health must be graduates in Medicine of a recognized university.

The Diploma in Public Health course covers one academic year from September to April, with three months' additional field work.

The Fee for the Diploma in Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application. Application must be made before June 1st.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and subtropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$50.00 if preceded by the D.P.H. & M. course at McGill University, or \$100.00 for those who have taken a D.P.H. elsewhere.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching

in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Cytology and Dentistry.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria Montreal Maternity Pavilion, with 214 beds for obstetrical and gynæcological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynæcological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual

age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of pædiatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children.

There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

ate

W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body.
 - (2) To stimulate interest along medical lines.
 - (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the

Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the third and fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

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The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

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McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1953-54

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

(a) These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, health service, physical education, sports, games and graduation, but do not include the

education, sports, games	
Students' Society Fee (see page 304).	
Students' Society Fee (see page 304). Arts	\$300.00
Arts	325.00
Commerce	425.00
Dentistry (laboratory equipment not included)	
Divinity (except regular candidates for ordination)	250.00
Engineering and Architecture (all years)	400.00
Engineering and Architecture (an journey)	250.00
Graduate Nurses (Diploma Course)	300.00
Graduate Nurses (Degree Course)	275.00
Fine Arts	
Law	325.00
Y " C1 1 (includes library visits)	340.00
Library School (includes library visits)	525.00
Medicine	300.00
Music	
Physical Education	325.00
Pl : 1	325.00
Physiotherapy	325.00
Science	
(b) The following inclusive fees provide for only limited parti	cipation
(D) The following inclusive ices provide for singly de admission to	o games.
in physical education and sports, and do not include admission to	251 00
Graduate Studies	231.00

- 401.00 International Air Law.....
- (c) High School Diploma Course (does not include health service,

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by conditioned students (one full course or two half courses)....

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per course......\$90.00 Per half course.....

Half Full PARTIAL STUDENTS Courses Courses Arts, Science, and Commerce, per course...... \$45.00 \$90.00 Engineering, per hour of instruction per week, per term. 15.00 15.00

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but in all other cases, partial students are subject to the following additional fees:

(a)	If	taking	three	or	more	courses-
-----	----	--------	-------	----	------	----------

Athletics		\$15.00
Health Service		7.00
Students Society (\$16.00 in Engineering,	T	15.00 \$37.00

(b) If taking less than three courses-

Grounds (use of Rinks and Tennis Courts during		
session)	\$ 5.00	
McGill Daily and McGill Union	5.00	\$10.00
r, if desiring full Athletic and Health Service privileges—	le our a	
***************************************	\$15.00	
Health Service	7.00	
McGill Daily and McGill Union	5.00	\$27.00

PAYMENTS BY INSTALMENTS

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Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 15th of January following. For this privilege the additional fee (payable \$2.50 with each instalment) is.......\$5.00

II. SPECIAL FEES AND PENALTIES

the second and beautiful at a care	
Late registration (first week) extra	\$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (see pages 311 and 312)	2.00
Graduation in absentia	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copy (at same time)	.50
Duplicated copies of student's record (12 copies)	2.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	10.00
Rental of microscope (per term)	7.50
Rental of microscope (for the session)	12.00
McGill graduates and graduates of other Universities may	
University Library on payment of an annual fee of \$5.00.	use the

III. STUDENTS' SOCIETY FEES

An annual fee of \$15 (\$16 in Engineering, Law, and Medicine) for the support of student organizations is payable by all undergraduates and by partial students taking three or more full courses. Medical students pay an additional \$2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00. In Engineering, Law, and Medicine the Undergraduate Society receives \$2.00.

The women's fee is distributed as follows: Women's Union \$3.50: McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

Students in the Faculty of Graduate Studies pay an annual fee of \$3.50 for the support of the McGill Union or Women's Union, and \$1.50 for the McGill Daily.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost \$1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.

2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration,

failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
- (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
 - 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
 - 5. Residence fees are payable for the full academic year and shall not be refunded, except in special circumstances.

EXPENSES

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It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (see pages 306, 307, 309, 310). Books are necessarily a variable expense but probably \$50 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

Applications submitted after July 15th for residence in Douglas Hall or Wilson Hall will not normally be considered.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

MAL SESSIONAL FEES FOR BOARD AND ADDITIONAL FEES FOR BOARD AND	
Engineering and Architecture	\$650.00
Engineering and Architecture	685.00
Arts, Science, Commerce, Law	
Medicine and Dentistry (fourth year)	120.00
Wiedicine and Demand	750.00
Medicine and Dentistry (lower years)	

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of \$40.00 on the normal fee will be allowed.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

A House Fee of \$5.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	000000
Arts Science Commons - 11	\$020.00
Arts, Science, Commerce, and Law.	650.00

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of \$3.50 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS

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The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and cannot answer correspondence.

The cost of board and lodging in approved rooms varies from \$70 to \$85 per month. Separately, board costs from \$65, and a room from \$35, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 300 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

APPLICATION FOR RESIDENCE

(a) Out-of-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, preferably by May 31st. (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (see paragraph on Health, page 309).

Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

It is expected that there will be limited accommodation in the College, beginning with the 1953-54 session, for Montreal students who may wish to live in residence during some part of their academic career. Information regarding this may be obtained from the Warden's Office of the Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First Year—Monday, September 21st.

Upper Years-Monday and Tuesday, September 28th and 29th.

Residences will open for first year students on Friday, September 18th, when the mid-day meal will be the first to be served; and for upper years on Sunday, September 27th.

Students cannot enter residence before the date specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

RATES

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The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$685.00 and for a student sharing a double room, \$660.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$3.50 per day.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

A House Fee of \$10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes \$2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

MCLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senior nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES

ES	The Venter, Royal Ville	Cinala	Multiple
Course	Period	Single	STREET STREET
Dentistry 1, 2, 3	Registration—End of Session	\$495	\$410
Dentistry 4	Registration—Convocation	500	415
High School Diploma	Registration—End of		
(Education)	Practice Teaching	535	440
Law 1, 2, 4	Registration—End of Session	420	350
Law 3	Registration—Convocation	460	380
Library School	Registration—Convocation	480	400
Medicine 1, 2, 3	Registration—End of Session	535	440
Medicine 4	Registration—Convocation	500	415
Social Work	Registration—End of Second	d to bas	
Social Work	Term	505	420
Graduate Faculty	Registration—End of the Ex	- 10 10 1	
Graduate Faculty	amination period.	440	365

Additional periods will be charged at the following daily rates: Single, \$2.00; Multiple, \$1.65.

HEALTH SERVICE (MEN AND WOMEN)

The object of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

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serie ge vil The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term may result in the imposition of a fine of an additional \$5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

The University Health Service is organized to provide:

(a) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

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The examination for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All third year students have a clinical check in addition to chest X-Ray and laboratory tests.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of \$2.00 is made. Any student who fails to have a medical examination by the University Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 486 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health Service, payment will be made for one-half of all public ward rates in a designated general hospital up to a maximum of \$125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus except in such areas as may be specifically designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

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There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

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OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3480 University Street, has a complete stock of books and materials recommended by the Staff, and a supply of Engineering instruments, microscopes, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1953-54

1953

May 27th, Wednesday. Convocation.

June 15th, Monday. School Certificate Examinations begin.

June 29th, Monday. Geography Summer School begins.

June 30th, Tuesday. French Summer School begins.

July 1st, Wednesday. Dominion Day.

August 8th, Saturday. Geography Summer School ends.

August 11th, Tuesday. French Summer School ends.

August 25th, Tuesday. Last day for filing Graduate theses for Autumn Convocation.

August 31st, Monday. Camp course for Men in School of Physical Education begins.

September 1st, Tuesday. Summer School in Mechanical Engineering begins. Students in certificate courses in Public Health Nursing and Advanced Psychiatric, Obstetric, and Paediatric Nursing report to the School for Graduate Nurses for field work.

September 4th, Friday. Registration in Medicine and Dentistry begins. September 7th, Monday. Labour Day.

September 8th, Tuesday. Registration in the School for Teachers. Registration in Medicine and Dentistry finishes. Agriculture Teaching Specialists register. School Certificate Examinations begin.

September 8th, Tuesday. Supplemental examinations begin in Arts, Science, Commerce, Fine Arts, First Year Engineering, and in the School of Physical Education.

September 8th, Tuesday. Second and Third Year Women students in the School of Physical Education report for Autumn Outdoor School.

September 8th, Tuesday. Conservatorium of Music opens for practical work.

September 9th, Wednesday. Lectures begin in all years of Medicine and Dentistry, for Agriculture Teaching Specialists, and in the School for Teachers.

September 9th, Wednesday. Second and Third Year Men students in the School of Physical Education report for Autumn Outdoor School. Supplemental examinations begin in Upper Years of Engineering and Architecture. Special Summer Schools for Mechanical Drawing 511 and Supplementals begin. September 9th, Wednesday. Homemaker students register.

September 10th, Thursday. High School Diploma students report for training in the Department of Education.

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September 10th, Thursday to September 21st, Monday. Final orals for Ph.D. September 11th, Friday. Seminars begin for High School Diploma students.

September 14th, Monday. Fall Survey School begins. Summer School in Fire Assaying begins. Students in certificate and first year degree courses in Teaching and Supervision and Administration in Schools of Nursing report to the School for Graduate Nurses for observation in Hospitals.

September 14th, Monday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Last day for reports on Ph.D. theses.

September 16th, Wednesday. Architecture Sketching School begins.

September 18th, Friday. Last day for reports on Masters' theses.

September 21st, Monday. Registration of students in First Year Arts, Science, Commerce, Engineering, Physical Education, and the Library School. Supplemental examinations begin in Divinity. Lectures begin in Music.

September 22nd, Tuesday. Freshman Welcome.

September 23rd, Wednesday. Lectures begin in the Library School, and in the First Year of Arts, Science, Commerce, Engineering, and Physical Education.

September 28th, Monday. Registration of Second Year (9-12) and parttime (1:30-4) students in the School of Social Work.

September 28th, Monday. Students register in Upper Years of Engineering and Architecture. Students in B.Sc. (Agr.) and B.Sc. (H.Ec.) register. Students in Second Year degree courses in Teaching and Supervision and Administration in Schools of Nursing and in degree and certificate courses in Public Health Nursing and in Administration and Supervision in Public Health Nursing register at the School for Graduate Nurses.

September 28th, Monday, and September 29th, Tuesday. Registration of Upper Year students in the Faculty of Arts and Science, and in all years of Law, Divinity, and Physical and Occupational Therapy.

September 29th, Tuesday. Registration of Fourth Year students in the School of Physical Education.

September 29th, Tuesday. General assembly and reception of all students in the School of Social Work.

September 30th, Wednesday. Registration of First Year students in the School of Social Work.

September 30th, Wednesday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in Upper Years of Arts, Science, Commerce, Fine Arts, Engineering, Architecture, and Physical Education, and in all years of Law, Agriculture, Household Science, Divinity, the School for Graduate Nurses, the School of Physical and Occupational Therapy, and the Faculty of Graduate Studies and Research.

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October 1st, Thursday. Lectures begin in the School of Social Work.

October 6th, Tuesday. Founder's Day Convocation. (James McGill born October 6th, 1744, died December 19th, 1813.)

Thanksgiving Day. No lectures. Date to be announced by the Dominion Government.

October 17th, Saturday. Last day for submitting certificates relating to summer employment in the Faculty of Engineering.

October 26th, Monday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.

October 29th, Thursday. Registration of Agriculture Diploma students.

November 9th, Monday. Autumn term examinations begin in the School for Teachers.

November 11th, Wednesday. Remembrance Day. No lectures.

November 16th, Monday to November 27th, Friday. First practice teaching period in the School for Teachers.

November 30th, Monday. Winter term begins in the School for Teachers.

December 5th, Saturday, to December 12th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.

December 15th, Tuesday. First term ends in the Library School.

December 17th, Thursday, to December 22nd, Tuesday. Examinations in the Library School.

December 22nd, Tuesday. Last day of lectures and field work in the School of Social Work.

December 22nd, Tuesday. Last day of lectures in all other faculties and schools.

Last day 1491 ling theses for Master

January 4th, Monday. First term examinations begin in Arts, Science, Commerce, Fine Arts, Engineering, Architecture, Divinity, Physical Education, and Graduate Nurses. Lectures and field work resumed in the School of Social Work. Lectures resumed in Agriculture and Household Science.

January 5th, Tuesday. Second term begins in Law, Graduate Studies, and the Library School. Lectures resumed in Medicine, Dentistry, Music and Physical and Occupational Therapy.

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January 11th, Monday, to January 22nd, Friday. Second practice teaching period in the School for Teachers.

January 11th, Monday. Second term begins in Arts, Science, Commerce, Fine Arts, Engineering, Architecture, Divinity, Physical Education, and the School for Graduate Nurses.

January 22nd, Friday. First term ends in the School of Social Work.

January 27th, Wednesday, to January 29th, Friday. Examinations in the School of Social Work.

February 1st, Monday. Second term begins in the School of Social Work. February 10th, Wednesday. Founder's Day at Macdonald College. (Sir

William Macdonald born February 10th, 1831, died June 9th, 1917.) February 19th, Friday, and February 20th, Saturday. Mid-term weekend holiday.

February 20th, Saturday. Examinations in German for Ph.D. students in Physics only.

Dates to be announced. Library School trip.

February 23rd, Tuesday. Macdonald Royal.

February 27th, Saturday. Winter term lectures end in the School for Teachers.

March 1st, Monday, to March 12th, Friday. Third practice teaching period in the School for Teachers.

March 15th, Monday. Spring term begins in the School for Teachers.

April 2nd, Friday. Lectures end in Upper Years of Engineering and Architecture.

April 7th, Wednesday Examinations begin in Upper Years of Engineering and Architecture.

April 8th, Thursday. Last day for filing Ph.D. theses.

April 15th, Thursday. Lectures end in First Year Engineering and in all other faculties and schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 16th, Friday, to April 19th, Monday (inclusive). Easter Vacation.

April 20th, Tuesday. Last day for filing theses for Masters' degrees.

April 20th, Tuesday. Examinations begin in Arts, Science, Commerce, Fine Arts, First Year Engineering, all years in Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and the School of Physical and Occupational Therapy.

April 24th, Saturday. Examinations begin in the Theory of Music.

- April 25th, Sunday. Baccalaureate Service at Macdonald College. 3 p.m.
- April 26th, Monday. Examinations begin in Higher Theoretical Music.
- April 30th, Friday. Lectures end in the Library School.
- April 30th, Friday. Last day for reports on Ph.D. theses.
- May 1st, Saturday. Last day for application for the majority of Graduate Fellowships.
- May 1st, Saturday. Last day of lectures in Music.

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- May 1st, Saturday, to May 15th, Saturday. Final orals for Ph.D.
- May 3rd, Monday. Practical Examinations in Music begin.
- May 4th, Tuesday, to May 7th, Friday. Examinations in the Library School.
- May 7th, Friday. Lectures end in the School of Social Work.
- May 10th, Monday, to May 22nd, Saturday. Field work in the Library School.
- May 12th, Wednesday, to May 14th, Friday. Examinations in the School of Social Work.
- May 13th, Thursday. Last day for reports on Masters' theses.
- May 17th, Monday. Full-time field work in First Year of the School of Social Work and full-time research work in Second Year begin.
- May 17th, Monday. Final examinations begin in the School for Teachers and for Homemakers.
- May 26th, Wednesday. Convocation.
- May 30th, Sunday. Divine Service, School for Teachers and Homemaker class of the School of Household Science.
- June 3rd, Thursday. Graduation exercises, School for Teachers and Homemakers class of the School of Household Science.
- June 25th, Friday. Second term ends in the School of Social Work.

McGill University



Montreal

Faculty of Medicine 1953-1954

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine

Faculty of Medicine Post Graduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture.)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)

French Summer School

Geography Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

- F. CYRIL JAMES, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.
- G. LYMAN DUFF, M.D., M.A., Ph.D. (Tor.), F.R.C.P.(C.), F.R.S.C.

Dean of the Faculty

- D. S. Fleming, D.P.H. (Tor.), B.A., M.D., C.M. Secretary of the Faculty
- S. H. DOBELL, D.S.O. Comptroller and Executive Assistant to the Principal WILLIAM BENTLEY, C.G.A., F.C.I.S., R.I.A. Bursar
- T. H. MATTHEWS, M.A., LL.D.

Registrar

G. A. GRIMSON, B.Com.

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1606 1660 1649 Chief Accountant

RICHARD PENNINGTON, B.A., Lib.Dip.

University Librarian

R. L. Stehle, M.A. (Ohio State), Ph.D. (Yale) Honorary Medical Librarian

W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M.

Osler Librarian and Director of the Museum of the History of Medicine

Special Announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

CONTENTS - Continue d

Faculty of Medicine

The one hundred and twenty-first session of the Faculty will open on September 9th, 1953, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required: Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of reason why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 4th or Tuesday, September 8th, 1953. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

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ication m of a The University reserves the right to make changes without notice in its published sacle of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1. REGULAR STUDENTS		
Annual fee		\$543.00
Students in the fourth year also pay for meals at the Montreal Maternity Hospital	Legand, jui	\$ 5.00
If paid in two instalments:		
First year only —		
First instalment, on registration Instalment fee	271.50 2.50	
	274.00	
Less half deposit	25.00	\$249.00
Second instalment, January 15th	Shure sh	\$249.00 \$274.00
Fourth year, each instalment	striffin d	\$276.50

- 2. REPEATING STUDENTS

 Students repeating a year pay full fees.
- 3. PARTIAL STUDENTS

 Qualified students may be admitted as partials to one or more courses
 on payment of special fees.
- 4. AD EUNDEM FEE

 Students entering any year above the first, pay a special ad

 eundem fee of\$ 10.00
- The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.
- 6. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H. taken elsewhere. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Friday, September 4th, Tuesday, September 8th to Thursday, September 10th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An addition \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout

his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

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COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

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There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C=Fair

D = Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
- 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q. Ontario—Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont. New Brunswick—Dr. J. M. Barry, 182 Princess St., Saint John, N.B. Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S. Prince Edward Island—Dr. I. J. Yeo, Charlottetown, P.E.I.

Manitoba—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

Saskatchewan—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

Newfoundland-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 180 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

deals with angesthesia, will have acquired during the earlier vehicles the

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor H. R. GRIFFITH, Chairman

Assistant Professor

F. A. H. WILKINSON

Lecturers

W. G. CULLEN R. S. FERGUSON R. G. B. GILBERT A. F. PASQUET H. M. SLATER W. C. STOCKWELL

R. K. CUMMING J. I. DAVIES GLADYS ELLISON J. J. KELLY P. E. O'SHAUGHNESSY

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecturedemonstrations.

DEPARTMENT OF ANATOMY

Robert Reford Professor C. P. MARTIN, Chairman

Professor C. P. LEBLOND

Associate Professor S. M. BANFILL

Assistant Professor D. S. FORSTER

ecturers Phoebe L. Cox Yves Clermont

N. J. NADLER

Demonstrators Howard Root

S. S. SMAILL

E. WALTER WORKMAN

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

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One hour per week lecture and demonstration during the Winter and Spring terms of the third medical year.

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Le Gros Clark, Practical Anatomy, 2nd ed.; Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional Anatomy.

Optional Texts: Quain; Pirsal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, A Text-book of Histology; Anson, Atlas of Anatomy.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Cowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts which may be taken simultaneously or in successive years.

- (a) A seminar on theoretical problems of histology and histochemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. 2 hours lectures and 4 hours laboratory per week.

The practical course is limited to 6 students per year.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during second half of the first medical year.

Recommended reference books: Arey, Developmental Anatomy; Patton, Human Embryology.

Optional Texts: Jordan, Simkins, Baily and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor Associate Professors

E. G. D. Murray, Chairman

Assistant Professors

G. G. KALZ J. W. STEVENSON

C. D. KELLY

Lecturers

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Anne M. Masson J. A. DEVRIES

D. A. GILLEN

DINA GORDON

Frances H. Prissick RAISSA SILOV

Demonstrator (Teaching Fellow) H. H. WHITEHEAD

Research Fellow

FRITZ BLANK

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their Fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY POST-GRADUATE SEMINARS AND DISCUSSIONS

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE) 22 lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term.

- 9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY
 - Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.
- 10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)

14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Conant (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley and Wilson, Principles of Bacteriology, revised by Wilson and Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); R. W. Fairbrother, A Text-Book of Medical Bacteriology (W. Heinemann); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press). S. P. Bedson et al., Virus & Rickettsial Diseases (Edward Arnold & Co.); A. J. Rhodes and C. E. van Rooven, Textbook of Virology (Nelson); D. C. Boyd, Fundamentals of Immunology (Interscience); N.P. Sherwood, Immunology (Mosby Co.); C. J. Witton, Microbiology with application to Nursing (McGraw-Hill Co.).

DEPARTMENT OF BIOCHEMISTRY

Professors D. L. THOMSON, Chairman J. H. QUASTEL Associate Professors O. F. DENSTEDT

Associate Professors O. F. Denstedt K. A. C. Elliott

R. D. H. HEARD essional Lecturers ESAU HOSEIN

Sessional Lecturers ESAU HOSEIN MARGARET PURVIS

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Bodansky, "Introduction to Physiological Chemistry" (Wiley); Williams, "Textbook of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill); Thorpe, "Biochemistry for Medical Students" (Churchill); West and Todd, "Textbook of Biochemistry (Macmillan).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor

R. P. VIVIAN, Chairman

Associate Professors

D. S. FLEMING C. W. MACMILLAN

Assistant Professor

MARIAN BAIN

H. E. BURKE

Lecturers E. H. Bensley

ETHEL COOKE

w. H. Cruickshank

H. G. Ross

BARUCH SILVERMAN

MILTON G. TOWNSEND Demonstrator Mrs. H. A. Sledge

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the Second year the subject matter is presented in 48 hours of lectures and 12 demonstrations or field trips of 21/2 hours each.

The lectures deal with the organization and activities of community health services including vital statistics, communicable disease control, sanitation, environmental hygiene, health supervision programs, nutrition, and the epidemiological problems of non-communicable diseases.

Field trips are undertaken to observe the methods for the control of water, milk, and meat, the work of a public health laboratory, industrial hygiene, and a seminar on vital statistics. The presentations are timed to coincide with complementary material taken up by other departments.

An examination (minor) is held at the end of the Second year.

In the Third year a course of 12 lectures is given to the class as a whole which includes population influences, mortality trends with particular reference to leading communicable and non-communicable diseases, aspects of public welfare, medical economics, and the problem of medical care.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease. The preparation of sera, vaccines, and toxoids is observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Mental Hygiene, and Nutritional and General Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the Third year.

Text and Reference Books: Mustard, Introduction to Public Health; Maxcy, Rosenau's Preventive Medicine and Hygiene.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A TOXICOLOGY

i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead, and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE

A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales,

Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

DEPARTMENT OF MEDICINE

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Professors

J. S. L. Browne, Chairman G. R. Brow E. S. Mills W. DEM. Scriver

Associate Professors

K. A. EVELYN	J. F. McIntosh
NEIL FEENEY	H. S. MITCHELL
C. W. FULLERTON	BRAM ROSE
M. M. HOFFMAN	

Assistant Professors

L. J. Adams	Louis Lowenstein
R. C. BENNETTS	K. R. MACKENZIE
H. E. BURKE	D. L. MENDEL
D. G. CAMERON	J. H. PALMER
G. A. COPPING	C. J. PATTEE
W. H. P. HILL	H. N. SEGALL
J. G. HOWLETT	F. M. SMITH
L. G. Johnson	S. R. TOWNSEND
W. R. KENNEDY	R. V. WARD

Lecturers

MICHAEL ARONOVITCH	R. D. McKenna
C. S. BARKER	W. G. McLellan
F. M. BOURNE	C. J. MALLOY
J. O. W. BRABANDER	J. F. MEAKINS
R. A. CLEGHORN	T. J. QUINTIN
H. I. CRAMER	W. S. RODGER
A. F. FOWLER	LORNE SHAPIRO
ALEC GORDON	MURRAY STALKER
G. W. HALPENNY	А. Т. Тном
R. G. M. HARBERT	G. R. TURGEON
CECIL HARRIS	P. G. WEIL
LESTER McCallum	G. E. WIGHT
ELEANOR McGARRY	

Demonstrators

C. M. BALLEM P. N. MACDERMOT DAVID BARZA A. D. MACDONALD C. C. MACDONALD R. G. BAXTER D. G. MACKAY LAUDER BRUNTON LLOYD CASWELL MELVIN McQUITTY PARKER CHESNEY R. J. MURPHY WILLIAM COHEN MYRON NOTKIN J. P. P. PARÉ BASIL CUDDIHY J. S. Polson W. W. EAKIN E. A. S. REID ALLEN GOLD JACK H. RUBIN Louis Horlick C. B. SMITH G. E. JORON JOSEPH WENER A. W. LAPIN J. C. G. YOUNG WILFRED LEITH B. A. LEVITAN

THERAPEUTICS

Associate Professors

C. W. FULLERTON W. deM. SCRIVER

Lecturers

G. H. FISK B. L. FRANK

DERMATOLOGY

Associate Professor

Assistant Professors

R. R. Forsey
Frederick Kalz

B. D. USHER

Lecturers

G. E. Craig
C. J. Fournier
D. S. Mitchell

M. S. COHEN
PAULA SCHOPFLOCHER

EXPERIMENTAL MEDICINE

Associate Professors E. H. Bensley E. M. H. Venning

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions,

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professor Browne and staff

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time—Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of Second year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY.

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

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COURSE IV 10—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time-Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time-Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place-The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place-Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time-Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned writing case reports and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham, Harvard Press; Todd and Sanford, Clinical Diagnosis by Laboratory Methods; Leopold, Principles and Methods of Physical Diagnosis; Walker, Physical Diagnosis.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. 1, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis.

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

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Professor of Neurology and Neurosurgery Wilder Penfield, Chairman
Professor of Neurosurgery
William Cone
Professor of Experimental Neurology
Herbert Jasper
Associate Professor of Neurology
Francis McNaughton
Associate Professor of Experimental Neurology
K. A. C. Elliott

Assistant Professors of Neurology Preston Robb
Arthur W. Young

Assistant Professors of Neurosurgery

HAROLD ELLIOTT

ARTHUR ELVIDGE

Assistant Professor of Neurological Radiology

Assistant Professors of Experimental Neurology

ROY L. SWANK

DONALD TOWER

Assistant Professor of Neuroanatomy JERZY OLSZEWSKI

Lecturers in Neurology

C. MILLER FISHER

D. L. LLOYD-SMITH

BERNARD SMITH

Lecturers in Neurosurgery

WILLIAM FEINDEL

JOHN HANBERY

LAMAR ROBERTS

Lamar Roberts

Lecturer in Experimental Neurology C. Ajmone-Marsan

Demonstrators in Neurology

BERNARD GRAHAM

REUBEN RABINOVITCH

Demonstrator in Neuropathology

Demonstrator in Electroencephalography

Lewis Henderson

Fellows of the Montreal Neurological Institute

Donald Baxter Shafica Karagulla
Claude Bélanger Choh-luh Li
Gilles Bertrand Alberto Martinez-Coll
Guy Courtois Kenneth Paine
Chester Cullen John Roth
Margaret Dillworth Joseph Stratford
Pierre Gloor John Van Buren
David Ingvar

SECOND YEAR

ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of of Anatomy, Neurology and Neurosurgery, and Physiology.

Professors McNaughton, Olszewski, and Jasper

- NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department 2B Professors McNaughton and Jasper of Medicine.
- NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre 2C clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.). Professor Robb

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Penfield and McNaughton

FOURTH YEAR

NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 lectures clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone and Robb

- 4B-1 NEUROLOGICAL O.P.D. R.V.H. Outpatient Department. Monday and Professor McNaughton and Assistants Thursday*, 2:00-3:00.
- 4C-1 NEUROLOGY WARD CLASSES. Department of Medicine. Wednesdays, Professor Young 8:45-9:45 (R.V.H. group).
- 4B-2 and 4C-2 COMBINED NEUROLOGICAL O.P.D. AND WARD CLASSES. M.G.H. Mondays and Fridays, 2:00-3:00 (M.G.H. group).

Professor Robb and Assistants

4D-1 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.

Professor Cone and Assistants

4D-2 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (M.G.H. group.) Thursdays, 1:00-2:00.

Professor Elvidge and Assistants

^{*}Two Thursdays per month only.

- 4E-1 NEUROLOGY SEMINAR. Wednesdays, 2:00-3:00. M.N.I. Amphitheatre. Dr. Lloyd-Smith and Assistants
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00-4:00. Professor Robb and Assistants

ELECTIVE COURSES

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- A. SEMINAR IN NEUROANATOMY. M.N.I. 3 hours weekly (6 months).
- 1. Lectures, demonstrations and discussions, correlated with Seminar in Neurophysiology (B), Mondays, 5 p.m., beginning in November.
- 2. Advanced Neuroanatomy for selected group; brain modelling; 2 laboratory periods weekly beginning in December; times to be arranged. Professors McNaughton and Olszewski
- B. SEMINAR IN NEUROPHYSIOLOGY, M.N.I. 2 hours weekly (6 months). Lectures, demonstrations and discussions, correlated with Seminar in Neuroanatomy (A), Mondays, 8 p.m., beginning in November. Professor Jasper and Dr. Ajmone-Marsan
- C. COLLOQUIUM IN CLINICAL NEUROLOGY, 1 hour weekly. Clinics and lectures. Wednesdays, 5 p.m., M.N.I.

Members of Staff, Professor Donald Tower, Secretary

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: Neurosurgical, Electroencephalographic, and Roentgenographic Conference. M.N.I., 2 hours weekly (9 months). Professors Penfield, Jasper, and McRae

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor N. W. PHILPOTT, Chairman

Associate Professor C. V. WARD

Assistant Professors

W. R. FOOTE

J. S. HENRY

G. B. MAUGHAN

ELEANOR PERCIVAL

G. A. SIMPSON

G. J. STREAN

Lecturers Lecturers

M. Hendelman

THOMAS PRIMROSE

J. P. A. LATOUR J. H. ROUTLEDGE J. L. MACARTHUR D. W. SPARLING

K. T. MacFarlane

Demonstrators On Sandard Mark Market Voodongan 1-31

H. B. BOURNE I. R. Dodds

P. R. BLAHEY SIMON GOLD JOSEPH PORTNUFF F. J. TWEEDIE GRACE DONNELLY M. H. V. YOUNG

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES Lectures, demonstrations and discussions, correlate

SECOND YEAR— (A) MANAGEMENT OF STREET OF STREE

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professors Philpott and Simpson and Dr. Latour

THIRD YEAR-

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, Senior members of the Staff and the puerperium.
 - 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations. Professor Simpson and Assistants
 - 3. Six clinics in the caseroom or wards to teach the care of the patient Professor Simpson and Assistants in the hospital.
 - 4. Six classes to demonstrate the care of the newborn.

Professor Jessie B. Scriver and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases. Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological patients. Professor Ward and Assistants

FOURTH YEAR-

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OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.

 Professor Philpott
- 2. Group ward rounds once a week to present the current interesting cases.

 Professors Philpott and Simpson
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

 Members of the Staff

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynaecology wards.

 Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynaecological Pathology.

 Dr. Latour and Assistants
 - 3. Eight hours of clinical instruction are given on the diagnosis and treatment of genital cancer.

 Dr. Latour
 - 4. Facilities are extended for attending sixteen gynaecology outpatient clinics.

 Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery.

Gynaecology Text and Reference Books: Curtis-Huffman, Textbook of Gynaecology; Novak, Textbook of Gynaecology; Shaw, Wilfred, Textbook of Gynaecology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor K. B. Johnston, Chairman

Assistants Professors Benjamin Alexander
J. V. V. Nicholls

Lecturers L. S. S. Kirschberg
D. W. McDonald

D. W. McDonald William Turnbull R. J. Viger

Demonstrators

R. A. BOURNE J. B. CONROY HUGH DUNCAN H. WYATT LAWS JOHN C. LOCKE

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May and Worth, Gifford, Parsons, Berens. Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor

Assistant Professors

E. E. Scharfe
G. E. Tremble

Lecturers

H. E. McHugh
F. W. Shaver
E. A. Stuart

Demonstrators

ARNOLD GROSSMAN
E. JOHN SMITH
T. M. TANTON

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

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A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh). Logan Turner's Diseases of the Nose, Throat and Ear, Edited by Douglas Guthrie.

DEPARTMENT OF PAEDIATRICS

Professor -	Chairman	
Associate Professor	ALAN ROSS	
Assistant Professors	R. L. DENTON	
	A. K. Geddes	
	TESSIE OURIVER	
	E. M. WORDEN	
Lecturers	H. L. BACAL	
	BEN BENJAMIN	
	P. N. MACDERMOT	
Demonstrators	HELEN BRICKMAN	
	T. A. COWAN	
	S. I. DOUBILET	
	CHARLOTTE PERENCZ	
	VICTOR C. GOLDBLOOM	
	Arnold Johnson	
	DAVID KLEIN	
	ROBERT LENNOX	
	D. R. McCrimmon	
	J. H. O'NEILL Sydney Pedvis	
	OIDIIDI I DO IIO	
	S. J. USHER	
	ISOBEL WRIGHT	
Tarking Fallers		
Teaching Fellows	Frances McCall Granville Nickerson	
	GRANVILLE NICKERSON	

REQUIRED COURSES

1. LECTURES

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- (a) An Introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (b) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine, etc.

Staff

2. DISEASES OF THE NEWBORN: ROYAL MATERNITY PAVILION

A weekly clinic-demonstration to groups of students of the third year (a) An Introductory course of 12 lectures in the winter term of the during their obstetrical quarter.

Professors Scriver, Ross, Geddes, and Worden

3. CLINICAL PAEDIATRICS

- (a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.
 - (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive paediatrics; Child Welfare clinics.

Dr. Benjamin and Staff

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Professor Worden

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson and Moncrieff, Diseases of Children.

Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine

Disorders in Childhood and Adolescence; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Goldbloom, Care of the Child.

DEPARTMENT OF PARASITOLOGY

Professor T. W. M. CAMERON, Chairman

Associate Professors

DONALD FAIRBAIRN

Assistant Professor

R. P. HARPUR

Lecturer

L. P. E. CHOQUETTE

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers diadactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd ed.).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. Lyman Duff, Chairman

Professor Theo. R. Waugh

Associate Professors G. C. McMillan remark and and to resolve of should be J. E. Pritchard

Douglas O. W. Waugh

Lecturers W. H. MATHEWS of autop array winter, and Spring terms, Time

Sessional Lecturers C. MILLER FISHER M. B. MACKENZIE

Demonstrators D. W. Huestis F. G. STEEN W. J. WYATT

Sessional Demonstrator M. A. SIMON athology (Saunders); Muir, Text-Book of Pathology

Fellow Golden Gor Klatzo

REQUIRED COURSES & Pebiger) : Forbus, Reaction to Injury (Williams

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, McMillan, and Douglas Waugh

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Douglas Waugh with Demonstrators

2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)

A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professors Duff, Theo. R. Waugh, and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms totalling 96 hours.

Professor Douglas Waugh will Demonstrators

C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours. Lecturers and Demonstrators

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours). Professor Duff

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute

Professor Duff and Dr. Huestis

Montreal General Hospital

Professor Pritchard and Dr. Mathews

Children's Memorial Hospital

Dr. Wiglesworth

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith and Gault, Essentials of Pathology (Appleton Century); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Novak, Gynaecological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

Associate Professor

K. I. MELVILLE

Lecturer

B. G. BENFEY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

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The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

Professors — and Melville, and Dr. Benfey

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course. MAN ONCE

One period (three hours) a week during the Autumn and Winter terms.

Second year. Professors — and Melville, and Dr. Benfey

Textbooks: Krantz and Carr, Clark.

OPTIONS TO BE A CONTROL OF THE PROPERTY OF THE

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor A. S. V. Burgen

Associate Professors

B. D. Burns
Norris Giblin

Assistant Professors
SIMON DWORKIN
PAUL SEKELJ

Lecturers V. B. Brooks

V. B. Brooks
Helen Henrikson
A. L. Johnson

Teaching Fellow Peter Oborin

FIRST YEAR

1. PHYSIOLOGY

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from October.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Howell, Textbook of Physiology; Starling, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wiggers, Physiology in Health and Disease; Wright, Applied Physiology.

OTHER COURSES

Further courses are available only to students who have achieved a high standing in the required courses: by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Professor

D. E. CAMERON, Chairman

Associate Professors

R. A. CLEGHORN
M. M. HOFFMAN
R. B. MALMO
A. E. MOLL
MIGUEL PRADOS

BARUCH SILVERMAN

Assistant Professors SAUL ALBERT chiatric vannad . 3 . Tetment in the Royal Victoria Hospital, and in F. R. HANSON to bling H. E. LEHMANN TAYLOR STATTEN ansiestory andred the equation I laboured Eric Wittkower of live

Lecturers

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JACQUES BEAUBIEN V. A. KRAL CARLO BOS A. W. MACLEOD HYMAN CAPLAN E. L. MARGETTS ELLIOTT EMMANUEL C. H. SKITCH HENRY HERSHON SAUL WILNER L. G. HISEY

Demonstrators

Marion Birmingham B. F. GRAHAM H. A. Bowes ANGELA HEFFERNAN WALTER BREMNER MURRAY SAFFRAN FERN CRAMER MANUEL STRAKER BERNARD GRAD J. L. WEBB

REQUIRED COURSES

PSYCHOBIOLOGY-A course of twelve lectures will be given in the First year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.

Professor Cameron

- 2. PSYCHIATRY—Eighteen lectures on the basic behavioral disorders will be given. During the Second year both those disorders which required hospitalization and those which can be dealt with on an ambulant basis will be considered. Professor Reed and Assistants
- 70 hours of clinical instruction will be given during the Third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out-Patient Departments.

Professors Cameron, Prados, Moll, and Dancey

- 4. A course of eight lectures will be given on child psychiatry during the Fourth year. Professor Silverman
- 5. Clinical demonstration, out-patient instruction, and ward rounds will be held during the Fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. Professors Cameron, Stern, and Cleghorn

Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.

Professors Prados and Silverman

Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Professors Reed and Lehman and Dr. Skitch Hospital.

DEPARTMENT OF RADIOLOGY

CARLETON B. PEIRCE, Chairman Professor J. J. L. BOUCHARD Associate Professors JOSEPH W. MCKAY D. L. MCRAE Assistant Professor Assistant Professor L. G. STEPHENS-NEWSHAM of Physics N. M. Brown Lecturers E. F. CRUTCHLOW J. S. DUNBAR Demonstrators R. G. FRASER

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastrointestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary Professor Peirce and Staff tract.

(Not given in 1952-53.)

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination. Professors Peirce and McKay and Staff

THIRD YEAR

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III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systematic roentgen pathology, and the principles of roentgen and radium therapy.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff.

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, and McRae, and Staff

POST-GRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Meschan, Normal Radiographic Anatomy; Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors G. GAVIN MILLER, Chairman awo, P. G. Rowe presenting the general features of roentgen inter-

Associate Professors Codes a postness of the professors

J. C. Armour S. J. Martin
D. E. Ross A. L. Wilkie

Assistant Professors

S. G. BAXTER H. L. Dawson E. A. McNaughton

H. S. DOLAN C. M. GARDNER H. F. Moseley

C. A. McIntosh

H. S. MORTON

J. W. GERRIE H. G. PRETTY Laboration association J. C. Luke and guidosa D. R. Webster making

Lecturers

G. A. HOLLAND F. M. WOOLHOUSE G. D. LITTLE

H. A. BAXTER D. W. MACKENZIE, JR. W. M. COUPER J. C. SUTTON J. C. DICKISON A. M. VINEBERG

Demonstrators Demonstrators

F. D. ACKMAN A. R. BAZIN J. R. McCorriston E. H. CAYFORD C. K. McLeod

J. F. HOPKIRK D. W. RUDDICK A. F. Jones H. J. Scott

R. C. Long

R. L. ESTRADA D. R. MURPHY
F. N. GURD J. D. PALMER

R. N. LAWSON ISRAEL SHRAGOVITCH

ORTHOPAEDIC SURGERY Sante, Principles of Roentgenological Interpretation; Holmes and

graduates of approved Faculties or Schools of Medicineraly with

Assistant Professors J. G. Petrie attenued to the Manual Manual Manual State of the Manual State of the Manual Ma

Lecturer J. A. L. WALKER

Demonstrators Demonstrators

A. A. BUTLER ROBERT G. TOWNSEND S. E. GOLDMAN C. LAIRD WILSON

UROLOGY

Clinical Professor

E. S. SMITH

Assistant Professor

R. G. REID

Lecturers Lecturers

A. B. HAWTHORNE S. A. MACDONALD M. I. SENG

Demonstrators Demonstrators

J. T. MACLEAN C. A. MOORE MAX RATNER ALEX. STRASBERG

Two students are in residence for periods of c

REQUIRED COURSES

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. CASE REPORTING

- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. Two students are in residence for periods of one week at the Royal Victoria Hospital.

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY -

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA -

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

SECOND YEAR

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2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery 2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Moseley, Textbook of Surgery.
- 2. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.
- 3. Fractures and Dislocations: Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
- 4. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases.

- 5. Urology: Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
- 6. Orthopaedic Surgery: Mercer, Orthopaedic Surgery; Willis Campbell, Orthopaedic Operations.

GRADUATE INSTRUCTION

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Public Health and a Diploma in Tropical Medicine and Hygiene are granted by McGill University.

These courses are conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the co-operation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN PUBLIC HEALTH (D.P.H.)

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

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HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES, PHYSICAL AND MENTAL: Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS IN HEALTH; programmes designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programmes, including Preventive Medicine, especially as they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma in Public Health must be graduates in Medicine of a recognized university.

The Diploma in Public Health course covers one academic year from September to April, with three months' additional field work.

The Fee for the Diploma in Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application. Application must be made before June 1st.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and subtropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those who have taken a D.P.H. elsewhere.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

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Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anaesthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching

in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Cytology and Dentistry.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion—Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

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The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual

age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

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Honorary Librarian

R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body;
 - (2) To stimulate interest along medical lines;
- (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the

Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

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The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

Executive on December lat, and must be handed in for examination before February lat. The Society also controls the Sudents' Reading daily Room. English and American Journals, as well as the leading daily newpapers are kept on file.

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McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1954-55

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN (See Section Hall supply at restorate francis)

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees (see page 305).

1. UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

(a) These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, health service, physical education, sports, games and graduation, but do not include the Students' Society Fee (see page 304).

Students' Society Fee (see page 304).
Arts\$350.00
Commerce
Dentistry (laboratory equipment not included)
Divinity (except regular candidates for ordination)300.00
Engineering and Architecture (all years)
Graduate Nurses (Diploma Course)
Graduate Nurses (Degree Course)
Law
Library School (includes library visits)
Medicine
Music
Physical Education. 375.00
Physical and Occupational Therapy
Science 375.00
(b) The following inclusive fees provide for only limited participation in
physical education and sports, and do not include admission to games.
Graduate Studies
International Air Law
Social Work
(c) High School Diploma Course (does not include health service,
physical education, sports, or games)
CONDITIONED STUDENTS annihabilings that to sometimes
Special fee for an additional course repeated or substituted by
conditioned students (one full course or two half courses) \$10.00
LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE
Per course\$90.00
Per half course
land be Manuar's Office will be pleased to answer inquiries concerning the
PARTIAL STUDENTS Courses Courses
Arts, Science, and Commerce, per course
Engineering, per hour of instruction per week, per term. 15.00 15.00

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Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but in all other cases, partial students are subject to the following additional fees:

(a)	If	taking	three	or	more	courses—

Athletics	\$15.00	
Health Service	7.00	
(\$16.00 in Engineering Law and Medicine)	15.00	\$37.00

(b) If taking less than three courses-

Grounds (use of Rinks and Tennis Courts during		
session)	\$ 5.00 5.00	\$10.00
or, if desiring full Athletic and Health Service	AT ZOTTO	MA W

privileges

Athletics	\$15.00
Health Service	7.00
McGill Daily and McGill Union	5.00 \$27.00

PAYMENTS BY INSTALMENTS

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Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 15th of January following. For this privilege the additional fee (payable \$2.50 with each

II. SPECIAL FEES AND PENALTIES

Late registration (second week) extra	5.00
Late payment fee (after specified date). Fine for late medical examination (see pages 311 and 312).	0.00
Fine for late medical examination (see pages 311 and 312)	2.00
Graduation in absentia	2.00
	0.00
Duplicate Distance Man Driver and Control of the Co	0.00
Cartified seem of the 1 th	1.00
Additional copy (at same time)	.50
Duplicated ! f . 1 . 1	2.00
Ro roading:	0.00
	0.00
	7.50
	2.00
McGill graduates and graduates of other Universities may use	

tes and graduates of other Universities may use the University Library on payment of an annual fee of \$5.00.

IN. STUDENTS' SOCIETY FEES

An annual fee of \$15 (\$16 in Engineering and Law, and \$17 in Medicine) for the support of student organizations is payable by all undergraduates and by partial students taking three or more full courses. Medical students pay an additional \$2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00. In Engineering and Law the Undergraduate Society receives \$2.00; in Medicine, \$3.00.

The women's fee is distributed as follows: Women's Union \$3.50: McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

NVE

Students in the Faculty of Graduate Studies pay an annual fee of \$3.50 for the support of the McGill Union or Women's Union, and \$1.50 for the McGill Daily.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost \$1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

- 1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.
- 2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.
- 3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration,

failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
- (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
- 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
- 5. Residence fees are payable for the full academic year and shall not be refunded, except in special circumstances.

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It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (see pages 306, 307, 309, 310). Books are necessarily a variable expense but probably \$50 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT and application and applications and applications and applications are applications are applications and applications are applications and applications are applications are applications are applications are applications are applications and applications are applications and applications are applications are

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

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BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

Applications submitted after July 1st for residence in Douglas Hall or Wilson Hall will not normally be considered.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. The residence has accommodation for approximately 150 students. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture:

First year	\$685.00
Subsequent years	650.00
Arts, Science, Commerce, Law	685.00
Medicine and Dentistry (fourth year)	720.00
Medicine and Dentistry (lower years)	750.00
Students sharing a double study-bedroom will be allowed a r	ebate of

WILSON MEMORIAL HALL

\$40.00 on the above fees.

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture (upper years)......\$620.00 Arts, Science, Commerce, Law, and First Year Engineering... 650.00

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee. A further rebate of \$20.00 will be allowed in the case of a few of the less favourably situated rooms.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of \$3.50 per day.

Due to limited accommodation, the normal time of residence in either Hall is restricted to four years, or the time required to obtain one McGill degree, whichever is shorter.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

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The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and cannot answer correspondence.

The cost of board and lodging in approved rooms varies from \$70 to \$85 per month. Separately, board costs from \$65, and a room from \$35, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 300 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health

offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

APPLICATION FOR RESIDENCE

(a) Out-of-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

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All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, preferably by May 31st. (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (see paragraph on Health, page 309).

Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

It is expected that there will be limited accommodation in the College, beginning with the 1954-55 session, for Montreal students who may wish to live in residence during some part of their academic career. Information regarding this may be obtained from the Warden's Office of the Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First Year—Tuesday, September 21st.

Upper Years—Wednesday and Thursday, September 29th and 30th.

Residences will open for *First year students* on Sunday, September 19th, when the mid-day meal will be the first to be served; and for *upper years* on Tuesday, September 28th.

Students cannot enter residence before the dates specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

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The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$685.00 and for a student sharing a double room, \$660.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$3.50 per day.

A House Fee of \$10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes \$2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

MCLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senior nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

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RATES

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Course	Period	Single	Multiple
Dentistry 1, 2, 3	Registration—End of Session	\$535	\$440
Dentistry 4	Registration—Convocation	500	415
High School Diploma	Registration—End of		
(Education)	Practice Teaching	535	440
Law 1, 2, 4	Registration—End of Session	420	350
Law 3	Registration—Convocation	460	380
Library School	Registration—Convocation	480	400
Medicine 1, 2, 3	Registration—End of Session	535	440
Medicine 4	Registration—Convocation	500	415
Social Work	Registration—End of Second	1	
	Term	505	420
Graduate Faculty	Registration—End of the Ex	July	
and an atmobile a toobject-	amination period.	440	365

Additional periods will be charged at the following daily rates: Single, \$2.00; Multiple, \$1.65.

HEALTH SERVICE (MEN AND WOMEN)

The object of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

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The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term may result in the imposition of a fine of an additional \$5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

The University Health Service is organized to provide:

(a) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

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The examination for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All Third year students have a clinical check in addition to chest X-Ray and laboratory tests.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of \$2.00 is made. Any student who fails to have a medical examination by the University Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 486 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health Service, payment will be made for one-half of all public ward rates in a designated general hospital up to a maximum of \$125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motor-cycles anywhere on the Montreal campus except in such areas as may be specifically designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

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There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth

certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

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OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3480 University Street, has a complete stock of books and materials recommended by the Staff, and a supply of Engineering instruments, microscopes, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1954-55

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1954

May 26th, Wednesday. Convocation.

June 14th, Monday. School Certificate Examinations begin.

June 29th, Tuesday. French Summer School begins.

July 1st, Thursday. Dominion Day.

August 10th, Tuesday. French Summer School ends.

August 25th, Wednesday. Last day for filing Graduate theses for Autumn Convocation.

September 1st, Wednesday. Summer School in Mechanical Engineering begins. Students in diploma courses in Public Health Nursing and Medical-Surgical, Psychiatric, Obstetric, and Paediatric Nursing report to the School for Graduate Nurses for field work.

September 2nd, Thursday. Registration of Students in Third, Fourth, and Fifth years of Physical and Occupational Therapy.

September 3rd, Friday. Registration in Medicine and Dentistry begins. Lectures begin in Third, Fourth, and Fifth years of Physical and Occupational Therapy.

September 6th, Monday. Labour Day.

September 7th, Tuesday. Registration in the School for Teachers. Registration in Medicine and Dentistry finishes. Outdoor School begins for women in the School of Physical Education. Agriculture Teaching Specialists register.

September 7th, Tuesday. Conservatorium of Music opens for practical work.

September 8th, Wednesday. Supplemental examinations begin in Arts, Science, Commerce, Fine Arts, Physical Education, and First Year Engineering.

September 8th, Wednesday. Lectures begin in all years of Medicine and Dentistry, for Agriculture Teaching Specialists, and in the School for Teachers. Homemakers register.

September 8th, Wednesday. Outdoor School begins for men students in the School of Physical Education.

September 9th, Thursday. Supplemental examinations begin in Upper Years of Engineering and Architecture.

September 9th, Thursday. High School Diploma students report for training in the Department of Education.

September 10th, Friday, to September 22nd, Wednesday. Final Orals for Ph.D.

September 10th, Friday. Seminars begin for High School Diploma students.

September 11th, Saturday. Registration for Fourth year B.Sc.(H.Ec.)

Teaching Option students.

September 13th, Monday. Special Summer School for Mechanical Drawing 511 and Supplementals begin.

September 13th, Monday. Fall Survey School begins. Summer School in Fire Assaying begins.

September 13th, Monday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Last day for reports on Ph.D.

September 15th, Wednesday. First Year students in Teaching and Supervision in Schools of Nursing report to the School for Graduate Nurses for observation in Community Agencies.

September 15th, Wednesday. Architecture Sketching School begins.

September 16th, Thursday. Supplemental examinations for B.Sc.(Agr.) and B.Sc.(H.Ec.) begin.

September 17th, Friday. Last day for reports on Masters' theses.

September 20th, Monday. Registration of Students in the Library School.

September 21st, Tuesday. Registration of students in First year Arts, Science, Commerce, Engineering, Physical Education, and Physical and Occupational Therapy. Supplemental examinations begin in Divinity. Registration of Second year B.Sc.(H.Ec.) students and B.Sc.(Agr.) students taking Agricultural Engineering 39.

September 22nd, Wednesday. Freshman Welcome. Lectures begin in the Library School.

September 23rd, Thursday. Lectures begin in the First year of Arts, Science, Commerce, Engineering, Physical Education, and Physical and Occupational Therapy.

September 29th, Wednesday. Students in B.Sc.(Agr.), B.Sc.(H.Ec.) and Advanced Diploma course in Agriculture register. Second year students register at the School for Graduate Nurses. Second year students in Physical and Occupational Therapy register.

September 29th, Wednesday and September 30th, Thursday. Registration of upper year students in the Faculty of Arts and Science, and in all years of Law and Divinity. Registration of Fourth year students in the School of Physical Education.

September 30th, Thursday. Registration of all Second year (9:00 - 12:00) and all First year students (1:30 - 5:00) in the School of Social Work.

September 30th, Thursday. Registration of students in upper years of Engineering and Architecture.

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- October 1st, Friday. General assembly and reception of all students in Social Work. Registration of Handicrafts students. Lectures begin for B.Sc.(Agr.), B.Sc.(H.Ec.), Second year Physical and Occupational Therapy, and Advanced Diploma Course students in Agriculture.
- October 1st, Friday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in upper years of Arts, Science, Commerce, Engineering, Architecture, and Physical Education, and in all years of Law, Divinity, the School for Graduate Nurses and the Faculty of Graduate Studies and Research.
- October 2nd, Saturday. Registration of all part-time students in the School of Social Work (9:00 12:00).
- October 4th, Monday. Lectures begin in the School of Social Work.
- October 6th, Wednesday. Founder's Day Convocation.

 (James McGill born October 6th, 1744, died December 19th, 1813.)
- Thanksgiving Day. No lectures. Date to be announced by the Dominion Government.
- October 23rd, Saturday. Last day for submitting certificates relating to summer employment to the Faculty of Engineering.
- October 25th, Monday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.
- October 27th, Wednesday. Supplemental examinations begin for Diploma course students in Agriculture.
- October 28th, Thursday. Registration of Agriculture Diploma students.
- October 29th, Friday. Lectures begin in Agriculture Diploma Courses.
- November 8th, Monday. Autumn term examinations begin in the School for Teachers.
- November 22nd, Monday, to November 26th, Friday. First practice teaching period in the School for Teachers.
- November 29th, Monday. Winter term begins in the School for Teachers.
- December 4th, Saturday, to December 11th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.
- December 14th, Tuesday. First term ends in the Library School.
 - December 16th, Thursday, to December 22nd, Wednesday. Examinations in the Library School.

December 21st, Tuesday. Last day of lectures and field work in the School of Social Work.

December 22nd, Wednesday. Last day of Lectures in all other faculties and schools.

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January 4th, Tuesday. First term examinations begin in Arts, Science, Commerce, Engineering, Architecture, Divinity, Physical Education, and Graduate Nurses. Lectures and field work resumed in the School of Social Work. Lectures resumed in Agriculture and Household Science.

January 4th, Tuesday. Second term begins in Law, Graduate Studies, and in the Library School. Lectures resumed in Medicine, Dentistry, Music, and Physical and Occupational Therapy.

January 4th, Tuesday, to January 15th, Saturday. Workshop period, School for Teachers.

January 11th, Tuesday. Second term begins in Arts, Science, Commerce, Engineering, Architecture, Divinity, Physical Education, and the School for Graduate Nurses.

January 13th, Thursday. First term lectures end in Agriculture and Household Science.

January 17th, Monday. First term examinations begin in Agriculture and Household Science.

January 17th, Monday, to January 21st, Friday. Second practice teaching period in the School for Teachers.

January 21st, Friday. First term ends in the School of Social Work.

January 24th, Monday. Second term begins in Agriculture and Household Science.

January 26th, Wednesday, to January 28th, Friday. Examinations in the School of Social Work.

General Assembly, Macdonald College. Date to be announced.

January 31st, Monday. Second term begins in the School of Social Work.

February 10th, Thursday. Founder's Day at Macdonald College.

(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 18th, Friday, and February 19th, Saturday. Mid-term weekend holiday.

February 19th, Saturday. Examinations in German for Ph.D. students in Physics only.

February 22nd, Tuesday. Macdonald Royal.

February 26th, Saturday. Winter term lectures end in the School for Teachers.

February 28th, Monday, to March 11th, Friday. Third practice teaching period in the School for Teachers.

March 14th, Monday. Spring term begins in the School for Teachers.

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March 19th, Saturday. Last day of lectures in Agriculture Diploma Courses.

March 22nd, Tuesday. Examinations begin Agriculture Diploma Courses. Supplemental examinations begin in B.Sc. (Agr.) and B.Sc. (H.Ec.) Courses.

April 6th, Wednesday. Lectures end in upper years of Engineering and Architecture.

April 8th, Friday, to April 11th, Monday (inclusive). Easter vacation in all faculties and schools, except the School for Teachers.

April 8th, Friday, to April 17th, Sunday (inclusive). Easter vacation in the School for Teachers.

April 12th, Tuesday. Examinations begin in the upper years of Engineering and Architecture.

April 12th, Tuesday. Last day for filing Ph.D. theses.

April 15th, Friday. Lectures end in First year Engineering and in all other faculties and schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 17th, Sunday. Baccalaureate Service at Macdonald College.

April 19th, Tuesday. Last day for filing theses for Master's degrees.

April 19th, Tuesday. Examinations begin in Arts, Science, Commerce, First year Engineering, all years Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and the School of Physical and Occupational Therapy.

April 23rd, Saturday. Examinations begin in the Theory of Music.

April 25th, Monday. Examinations begin in Higher Theoretical Music.

April 29th, Friday. Lectures end in the Library School.

April 30th, Saturday. Last day of lectures in Music.

April 30th, Saturday, to May 14th, Saturday. Final Orals for Ph.D.

May 2nd, Monday. Last day for application for the majority of Graduate Fellowships.

May 2nd, Monday. Practical examinations in Music begin.

May 3rd, Tuesday, to May 6th, Friday. Examinations in the Library School.

May 4th, Wednesday. Last day for reports on Ph.D. theses.

May 6th, Friday. Lectures end in the School of Social Work.

May 9th, Monday, to May 21st, Saturday. Field work in the Library School.

May 11th, Wednesday, to May 13th, Friday. Examinations in the School of Social Work.

May 12th, Thursday. Last day for reports on Masters' theses.

May 16th, Monday. Full-time field work in First year of the School of Social Work and full-time research work in Second year begin.

May 16th, Monday. Final examinations begin for Homemakers.

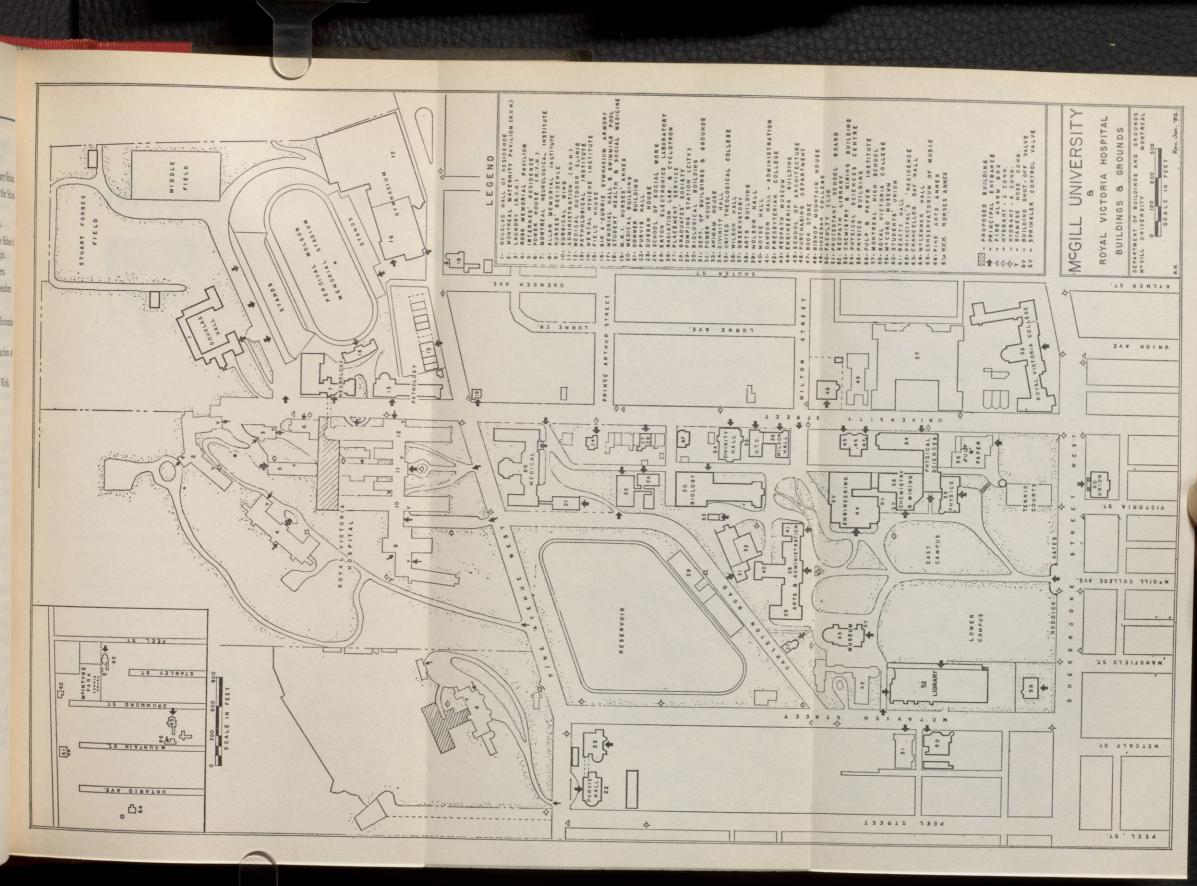
May 19th, Thursday. Examinations begin in the School for Teachers.

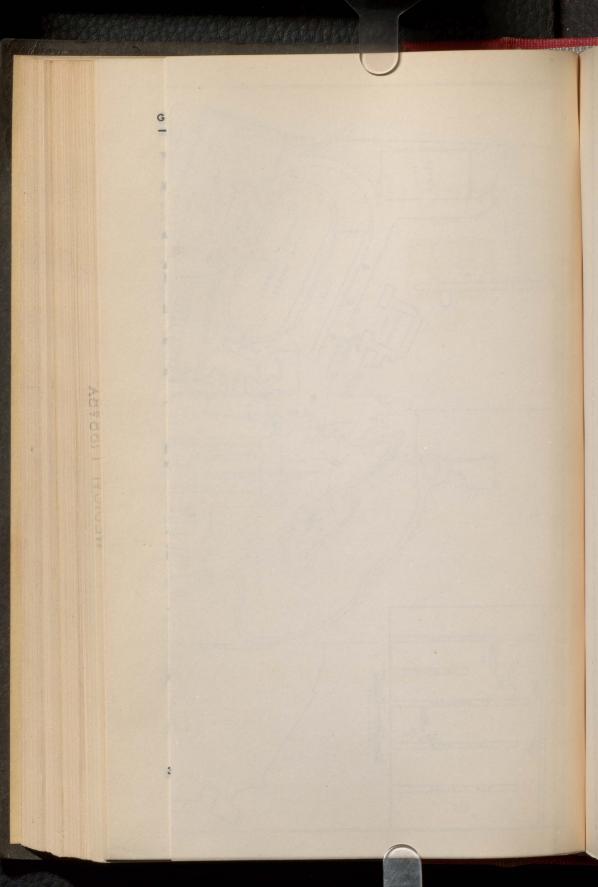
May 25th, Wednesday. Convocation.

May 29th, Sunday. Divine Service, School for Teachers and Homemaker class of the School of Household Science.

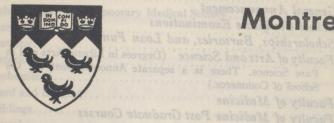
June 2nd, Thursday. Graduation exercises, School for Teachers and Homemaker class of the School of Household Science.

June 24th, Friday. Second term ends in the School of Social Work.





McGill University



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Faculty of Medicine 1954-1955

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine

Faculty of Medicine Post Graduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture.)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers.)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

- F. CYRIL JAMES, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. Principal
- G. LYMAN DUFF, M.D., M.A., Ph.D., F.R.C.P.(C.), F.R.S.C.

Dean of the Faculty

- D. S. Fleming, D.P.H., B.A., M.D., C.M.
- Secretary of the Faculty S. H. DOBELL, D.S.O.
- Comptroller and Executive Assistant to the Principal WILLIAM BENTLEY, C.G.A., F.C.I.S. Bursar
- T. H. MATTHEWS, M.A., LL.D.

Registrar

G. A. GRIMSON, B.Com.

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- Chief Accountant
- RICHARD PENNINGTON, B.A., Lib.Dip.
- University Librarian
- C. P. MARTIN, M.A., M.B., Ch.B., Sc.D., M.R.I.A.

Honorary Medical Librarian

W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M. Osler Librarian and Director of the Museum of the History of Medicine

Special Announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

McGill University

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D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.

LOMAN DURY, M.D., M.A., Ph.D., F.R.C.P.(C.), F.R.S.C.

A.S. FLEMING, D.P.H., B.A., M.D., C.M. Secretary of the Enco

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W. Francis, A.R., M.D. (Johns Hopkins), M.D., C.M.

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Faculty of Medicine

The one hundred and twenty-second session of the Faculty will open on September 8th, 1954, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours,

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and
Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING model this year one year to wanted

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 3rd or Tuesday, September 7th, 1954. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

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The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

Annual fee	\$575.00	
Students' Society and Medical Students' Journal fees. Students in the fourth year also pay for meals at the	18.00	\$593.00
Montreal Maternity Hospital		\$ 5.00
If paid in two instalments:		
First year only - doors la salled soll bon maintainsolni		
First instalment, on registration Instalment fee	296.50 2.50	
	299.00	
Less half deposit	THE PERSON NAMED IN	\$274.00
Second instalment, January 15th Second and Third years, each instalment	a first-c	\$274.00 \$299.00
Fourth year, each instalment		\$301.50

- 2. REPEATING STUDENTS
 Students repeating a year pay full fees.
- 3. PARTIAL STUDENTS

 Qualified students may be admitted as partials to one or more courses on payment of special fees.
- 5. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$100.00 for those already holding the D.P.H. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Friday, September 3rd, Tuesday, September 7th to Thursday, September 9th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and

1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

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For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
 - b. one year of interneship in an approved hospital,

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one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION over to estimate of exp NOISEST STREET

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medical Jurisprudence and Toxicology, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION HE MEETING TO STATE OF THE STA

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

GRADING

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C=Fair

adt to sales of sales of D = Doubtful

visional and additional E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
 - 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
 - 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC-Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q. ONTARIO-Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont. NEW BRUNSWICK-Dr. J. M. Barry, 182 Princess St., Saint John, N.B. Nova Scotia-Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND-Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA-Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA-Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN-Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

NewFoundLand-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 180 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor

H. R. GRIFFITH, Chairman

Assistant Professors

H. M. SLATER F. A. H. WILKINSON

T.ecturers

W. G. CULLEN
R. S. FERGUSON
R. G. B. GILBERT
P. E. O'SHAUGHNESSY
A. F. PASQUET
W. C. STOCKWELL

Demonstrators

Gladys Ellison J. J. Kelly E. J. Power

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecture-demonstrations.

DEPARTMENT OF ANATOMY

Robert Reford Professor Professor Associate Professor S. M. BANFILL

Assistant Professors Phoebe L. Cox

C. P. MARTIN C. P. LEBLOND

D. S. FORSTER Lecturers YVES CLERMONT

N. J. NADLER

E. WALTER WORKMAN

HOWARD ROOT S. S. SMAILL

Demonstrators

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Le Gros Clark, Practical Anatomy, 2nd ed.; Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional Anatomy.

Optional Texts: Quain; Pirsal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, A Text-book of Histology; Anson, Atlas of Anatomy.

INTRODUCTION TO MEDICINE

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Cowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts which may be taken simultaneously or in successive years.

- (a) A seminar on theoretical problems of histology and histochemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. 2 hours lectures and 4 hours laboratory per week.

The practical course is limited to 6 students per year.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during second half of the first medical year.

Recommended reference books: Arey, Developmental Anatomy; Patton, Human Embryology.

Optional Texts: Jordan, Simkins, Baily and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor E. G. D. Murray, Chairman

Associate Professors

G. G. KALZ

J. W. STEVENSON Assistant Professors C. D. Kelly

ANNE M. MASSON

Lecturers

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FRITZ BLANK J. A. DeVries GRACE GIRVIN

FRANCES H. PRISSICK

RAISSA SILOV

Demonstrator (Teaching Fellow) W. R. A. BAILEY

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their Fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY POST-GRADUATE SEMINARS AND DISCUSSIONS

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE) 22 lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term. (voliv) Sansamsdoold an

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)

14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Conant (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley and Wilson, Principles of Bacteriology, revised by Wilson and Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press). S. P. Bedson et al., Virus & Rickettsial Diseases (Edward Arnold & Co.); A. J. Rhodes and C. E. van Rooyen, Textbook of Virology (Nelson); D. C. Boyd, Fundamentals of Immunology (Interscience); N.P. Sherwood, Immunology (Mosby Co.); C. J. Witton, Microbiology with application to Nursing (McGraw-Hill Co.); S. Raffel, Immunity (Appleton-Century-Crofts).

DEPARTMENT OF BIOCHEMISTRY

Professors

D. L. THOMSON, Chairman J. H. QUASTEL

Associate Professors

O. F. DENSTEDT K. A. C. ELLIOTT R. D. H. HEARD

Sessional Lecturers

ESAU HOSEIN MARGARET PURVIS

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February Professor Thomson

Textbooks: Mitchell, "Text-book of Biochemistry" (McGraw-Hill); West and Todd, "Textbook of Biochemistry" (Macmillan); Freeton and Simmonds, "General Biochemistry" (Wiley).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor R. P. VIVIAN, Chairman Associate Professors

Assistant Professors

Lecturers

D. S. FLEMING C. W. MACMILLAN

MARIAN BAIN MARGARET E. NIX

A. STEWART ALLAN

E. H. BENSLEY H. E. BURKE

ETHEL COOKE

W. H. CRUICKSHANK

H. G. Ross

BARUCH SILVERMAN MILTON G. TOWNSEND

FREDERICK WIENER

Demonstrator H. ALICIA SLEDGE The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the Second year the subject matter is presented in 48 hours of lectures and 12 demonstrations or field trips of 21/2 hours each.

The lectures deal with the organization and activities of community health services including vital statistics, communicable disease control, sanitation, environmental hygiene, health supervision programs, nutrition, and the epidemiological problems of non-communicable diseases.

Field trips are undertaken to observe the methods for the control of water, milk, and meat, the work of a public health laboratory, industrial hygiene, and a seminar on vital statistics. The presentations are timed to coincide with complementary material taken up by other departments.

An examination (minor) is held at the end of the Second year.

In the Third year a course of 12 lectures is given to the class as a whole which includes population influences, mortality trends with particular reference to leading communicable and non-communicable diseases, aspects of public welfare, medical economics, and the problem of medical care.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease. The preparation of sera, vaccines, and toxoids is observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Mental Hygiene, and Nutritional and General Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the Third year.

Text and Reference Books: Mustard, Introduction to Public Health; Maxcy, Rosenau's Preventive Medicine and Hygiene.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A TOXICOLOGY

i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead, and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE

A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales.

Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

DEPARTMENT OF MEDICINE

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Professors

J. S. L. Browne, Chairman G. R. Brow E. S. Mills W. DeM. Scriver

Associate Professors

NEIL FEENEY
C. W. FULLERTON
J. H. S. MITCHELL
J. H. PALMER
BRAM ROSE
J. F. McIntosh

Assistant Professors

L. J. ADAMS Louis Lowenstein R. C. BENNETTS K. R. MACKENZIE H. E. BURKE D. L. MENDEL D. G. CAMERON C. J. PATTEE G. A. COPPING H. N. SEGALL W. H. P. HILL F. M. SMITH J. G. HOWLETT S. R. TOWNSEND L. G. JOHNSON R. V. WARD W. R. KENNEDY

Lecturers

MICHAEL ARONOVITCH R. D. MCKENNA C. S. BAKER W. G. McLellan J. C. BECK C. J. MALLOY F. M. BOURNE J. F. MEAKINS J. O. W. BRABANDER R. J. F. MURPHY R. A. CLEGHORN T. J. QUINTIN H. I. CRAMER W. S. RODGER A. F. FOWLER LORNE SHAPIRO ALEC GORDON MURRAY STALKER G. W. HALPENNY А. Т. Тном R. G. M. HARBERT G. R. TURGEON CECIL HARRIS P. G. WEIL LESTER McCallum G. E. WIGHT

Demonstrators Demonstrators

C. M. BALLEM A. D. MACDONALD DAVID BARZA C. C. MACDONALD R. G. BAXTER D. G. MACKAY LAUDER BRUNTON MELVIN McQUITTY LLOYD CASWELL MYRON NOTKIN PARKER CHESNEY J. A. P. PARÉ WILLIAM COHEN BERNARD POLLAK J. S. Polson BASIL CUDDINY E. A. S. REID ALLEN GOLD JACK H. RUBIN G. E. JORON C. B. SMITH A. W. LAPIN JOSEPH WENER WILFRED LEITH J. C. G. Young B. A. LEVITAN P. N. MACDERMOT

THERAPEUTICS

Associat	e Pro	fessors

C. W. FULLERTON W. DEM. SCRIVER

Lecturers

G. H. FISK B. L. FRANK

DERMATOLOGY

Associate Professor

Assistant Professors

R. R. Forsey
Frederick Kalz
B. D. Usher

Lecturers

G. E. Craig
C. J. Fournier
D. S. Mitchell

Demonstrators

M. S. Cohen

EXPERIMENTAL MEDICINE

Associate Professors E. H. Bensley Eleanor H. Venning

PAULA SCHOPFLOCHER

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professor Browne and Staff

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of Second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

COURSE III 4-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY.

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR

COURSE IV 10-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time-Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12-CLINICAL PATHOLOGICAL CONFERENCE

Time-Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place-Medical Building.

Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

\$ 25

ents

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned writing case reports and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Brost, Physical Diagnosis; Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham, Harvard Press; Todd and Sanford, Clinical Diagnosis by Laboratory Methods; Leopold, Principles and Methods of Physical Diagnosis; Walker, Physical Diagnosis.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; Gray, Clinical Chemical Pathology; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. I, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery WILDER PENFIELD, Chairman Professor of Neurosurgery WILLIAM CONE Professor of Experimental Neurology HERBERT JASPER Associate Professor of Neurology FRANCIS McNaughton Associate Professor of Experimental Neurology K. A. C. ELLIOTT

Assistant Professors of Neurology PRESTON ROBB ARTHUR W. YOUNG

Assistant Professors of Neurosurgery

Assistant Professor of Neurological Radiology Assistant Professors of Experimental Neurology

Assistant Professor of Neuroanatomy Lecturers in Neurology

Lecturers in Neurosurgery

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Lecturer in Clinical Psychology Demonstrators in Neurology

Demonstrators in Neurosurgery

Dmonstrator in Neuropathology Demonstrator in Experimental Neurology Demonstrator in Electroencephalography Fellows of the Montreal Neurological Institute

> CHESTER CULLEN MARGARET DILWORTH RALPH DRUCKMAN MURL FAULK IRVING HELLER RUDOLF HESS THEODORE HOFF DAVID HUBEL JOHN HUNTER

SHAFICA KARAGULLA L. M. M. LARRAMENDI LAURENCE LEVY CHOH-LUH LI HUGH MCLENNAN RUDOLF MEYER MICKELEIT JOHN MULLAN BLAINE NASHOLD

MARK RAYPORT

HAROLD ELLIOTT

ARTHUR ELVIDGE

DONALD MCRAE

JERZY OLSZEWSKI

C. MILLER FISHER D. L. LLOYD-SMITH W. F. T. TATLOW

WILLIAM FEINDEL JOHN HANBERY

BRENDA MILNER

BERNARD GRAHAM D. E. HOWELL REUBEN RABINOVITCH

> GILLES BERTRAND JOSEPH STRATFORD

> > ARMANDO ORTIZ

HANNA PAPPIUS

LEWIS HENDERSON

ROY L. SWANK DONALD TOWER

SECOND YEAR AND THE PROPERTY OF THE PROPERTY O

2A ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory, and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Professors McNaughton, Olszewski, and Jasper

- 2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department of Medicine, Course II, 1. Professors McNaughton and Jasper
- 2C NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. M.G.H. Department of Medicine. Professor Robb

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Penfield and McNaughton

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 lectures clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone and Robb

- 4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday*, 2:00 to 3:00. Professor McNaughton and Assistants
- 4C-1 NEUROLOGY WARD CLASSES. Wednesdays, 8:45 to 9:45. M.N.I. (R.V.H. group). Professor Young
- 4B-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Mon-
- and days and Fridays, 2:00 to 3:00 (M.G.H. group).
- 4C-2 Professor Robb and Assistants
- 4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group). Mondays, 1:00 to 2:00. Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group). Thursdays, 1:00 to 2:00. Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. Wednesdays, 2:00 to 3:00. M.N.I. (M.G.H. group).

 Dr. Lloyd-Smith and Assistants

^{*}Two Thursdays per month only.

4E-2 Neurology Seminar. M.G.H. Outpatient Department. Fridays, 3:00 to 4:00. (M.G.H. group). Professor Robb and Assistants

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting. Students in Surgery are assigned neurosurgical cases on a similar basis.

ELECTIVE COURSES

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- A. SEMINAR IN NEUROANATOMY. M.N.I. 3 hours weekly (6 months).
 - 1. Lectures, demonstrations and discussions, correlated with Seminar in Neurophysiology (B), Mondays, 5 p.m., beginning in November.
 - Advanced Neuroanatomy for selected group; brain modelling;
 laboratory periods weekly beginning in December; times to be arranged.

 Professors McNaughton and Olszewski
- B. SEMINAR IN NEUROPHYSIOLOGY. M.N.I. 2 hours weekly (6 months). Lectures, demonstrations, and discussions, correlated with Seminar in Neuroanatomy (A), Mondays, 8 p.m., beginning in November.

Professor Jasper

- C. COLLOQUIUM IN CLINICAL NEUROLOGY. 1 hour weekly. Clinics and lectures. Wednesdays, 5 p.m., M.N.I. Members of Staff; Dr. Feindel, Secretary
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: Neurosurgical, Electroencephalographic, and Roentgenographic Conference. M.N.I. 2 hours weekly (9 months). Professors Penfield, Jasper, and McRae

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor N. W. PHILPOTT, Chairman

Associate Professor C. V. WARD

Assistant Professors W. R. FOOTE

W. R. FOOTE
J. S. HENRY
K. T. MacFarlane

G. B. MAUGHAN ELEANOR PERCIVAL G. A. SIMPSON

G. J. STREAN

Lecturers

Myer Hendelman Thomas Primrose
J. P. A. Latour J. H. Routledge
J. L. Macarthur D. W. Sparling

Demonstrators 189900 HADAM SAMMER YOULDSTEN S. 38

P. R. BLAHEY

JOSEPH PORTNUFF

J. R. DODDS

F. J. TWEEDIE

GRACE DONNELLY

M. H. V. YOUNG

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES

SECOND YEAR-

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Philpott and Drs. Primrose and Latour

THIRD YEAR-

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium.

 Senior members of the Staff
 - 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Members of Staff
 - 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Members of Staff
 - 4. Six seminars on principles and theory of obstetrics.

Members of Staff

5. Six classes to demonstrate the care of the newborn.

Professor Jessie B. Scriver and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases.

 Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological patients.

 Professor Ward and Assistants

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EMERGE A ST OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications. Professor Philpott
- 2. Group ward rounds once a week to present the current interesting cases. Professor Philpott and Dr. Primrose
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient. Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics. Members of the Staff

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynaecology wards. and at erest emphase and at belliab at some Harres of Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynaecological Pathology. Dr. Latour and Assistants

- 3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer.
- 4. Facilities are extended for attending sixteen gynaecology outpatient Members of the Staff
- 5. Four lectures on Newborn Paediatrics, together with eight demonstrations in the nurseries. Professors J. B. Scriver and Assistants

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery.

Gynaecology Text and Reference Books: Curtis-Huffman, Textbook of Gynaecology; Novak, Textbook of Gynaecology; Shaw, Wilfred, Textbook of Gynaecology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor K. B. JOHNSTON, Chairman Assistants Professors BENJAMIN ALEXANDER J. V. V. NICHOLLS Lecturers L. S. S. KIRSCHBERG D. W. McDonald WILLIAM TURNBULL R. J. VIGER Demonstrators

S. T. Adams R. A. BOURNE J. B. CONROY Hugh Duncan H. WYATT LAWS JOHN C. LOCKE R. W. PEARMAN

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course. 4 Freifities are extended for attending sixteen gyna

Five hours.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May and Worth, Gifford, Wolff.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor W.	J. McNally, Chairman
Assistant Professors	E. E. SCHARFE
Lecturers	H. E. McHugh
	F. W. SHAVER
	E. A. STUART
Demonstrators	ARNOLD GROSSMAN
ra); Sir St. Clair Thomson	E. John Smith
	T. M. TANTON

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

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A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

DEPARTMENT OF OTO-LARYNGOLOGY SERVICE Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology, and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose, and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat, and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat, and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy, and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh). Logan Turner's Diseases of the Nose, Throat, and Ear, Edited by Douglas Guthrie.

DEPARTMENT OF PAEDIATRICS

Professor	ALAN Ross, Chairman	
Assistant Professors	R. L. DENTON	

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H. L. BACAL Lecturers Hand and maying and mo BEN BENJAMIN P. N. MacDermot

Demonstrators Helen Brickman T. A. COWAN S. I. DOUBILET

> VICTOR C. GOLDBLOOM ELEANOR HARPUR ARNOLD JOHNSON

> > DAVID KLEIN ROBERT LENNOX FRANCES McCALL D. R. McCrimmon

J. H. O'NEILL SYDNEY PEDVIS FREDERICK SHIPPAM

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W. W. TIDMARSH

F. CLARK FRASER GRANVILLE NICKERSON HYMAN SURCHIN

Teaching Fellows

REQUIRED COURSES TO ANALYSIS OF ANALYSIS O

1. LECTURES

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- (a) An Introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (b) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. Staff
- 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL
 - (a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.
 - (b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.
 - (c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Professor Scriver and Staff

3. CLINICAL PAEDIATRICS

- (a) During the Third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.
 - (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

 Staff
- (c) Care and feeding of the normal infant, immunization procedure, preventive paediatrics; Child Welfare clinics.

 Staff
 - (d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Professor Worden

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson and Moncrieff, Diseases of Children.

Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine

Disorders in Childhood and Adolescence; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Goldbloom, Care of the Child.

DEPARTMENT OF PARASITOLOGY

Professor T. W. M. CAMERON, Chairman

Associate Professors

DONALD FAIRBAIRN

Assistant Professor

R. P. HARPUR

Lecturer

L. P. E. CHOQUETTE

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers diadactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd ed.).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. Lyman Duff, Chairman

Professor

THEO. R. WAUGH

Associate Professors

G. C. McMILLAN J. E. PRITCHARD

DOUGLAS O. W. WAUGH

Assistant Professors W. H. MATHEWS F. W. WIGLESWORTH Lecturers IGOR KLATZO E. V. LAUTSCH Sessional Lecturers C. MILLER FISHER W. B. LEACH M. B. MACKENZIE Demonstrators D. W. HUESTIS SEAN MOORE Sessional Demonstrator M. A. SIMON Teaching Fellows P. D. Byers

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

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A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, McMillan, and Douglas Waugh

V. B. FOWLER L. A. JENTZ

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Douglas Waugh with Demonstrators

2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)

A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professors Duff, Theo. R. Waugh, and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms totalling 96 hours.

Professor Theo. R. Waugh and Staff

C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours.

Lecturers and Demonstrators

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

Professor Duff

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute

Professor Duff and Dr. Klatzo

Montreal General Hospital

Professor Pritchard and Dr. Mathews

Children's Memorial Hospital

Dr. Wiglesworth

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Ogilvie, Pathological Histology (Livingstone); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer): Whitby and Britton, Disorders of the Blood (Churchill).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill): Freeman, Neuropathology (Saunders).

Novak, Gynaecological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

K. I. MELVILLE, Chairman

Lecturer

B. G. BENFEY

Sessional Lecturer

L. E. HOKIN

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

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foundation

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms, Second year.

Professor Melville and Drs. Benfey and Hokin

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Professor Melville and Drs. Benfey and Hokin

Textbooks: Krantz and Carr, Pharmacologic Principles of Medical Practice; Clark, Applied Pharmacology; Salter, Textbook of Pharmacology.

OPTIONS

Suitably prepared students may undertake research at any time; by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor A. S. V. Burgen

Associate Professors

B. D. Burns

Norris Giblin

Assistant Professors

V. B. Brooks
SIMON DWORKIN
PAUL SEKELJ

Lecturers Kathleen G. Terroux
H. Garcia Arocha

H. Garcia Arocha Helen Henrikson A. L. Johnson

FIRST YEAR

1. PHYSIOLOGY

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from October.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR secures support and statement of nosons one atheminence and

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory, and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Howell, Textbook of Physiology; Starling, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wiggers, Physiology in Health and Disease; Wright, Applied Physiology.

OTHER COURSES

Further courses are available only to students who have achieved a high standing in the required courses, by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Professor

D. E. CAMERON, Chairman

Associate Professors

R. A. CLEGHORN
M. M. HOFFMAN
R. B. MALMO
A. E. MOLL
MIGUEL PRADOS
BARUCH SILVERMAN
E. D. WITTKOWER

Assistant Professors

SAUL ALBERT
T. E. DANCEY
F. R. HANSON
H. E. LEHMANN
A. W. MACLEOD
G. E. REED
TAYLOR STATTEN
J. S. TYHURST

Lecturers

JOHNSON AUFREITER L. G. HISEY JACQUES BEAUBIEN V. A. KRAL T. J. BOAG E. L. MARGETTS CARLO Bos GUSTAV MORF H. A. Bowes MURRAY SAFFRAN HYMAN CAPLAN CHARLES SHAGASS BRUNO CORMIER C. H. SKITCH ELLIOTT EMANUEL MANUEL STRAKER R. C. M. HAMILTON MARTIN TUNIS HENRY HERSHON SAUL WILNER

Demonstrators

Sydney Barza Angela Hefferman
M. K. Birmingham Alan Mann
Fern Cramer Leo Mergler
Bernard Grad C. C. Smith

REQUIRED COURSES

FIRST YEAR

A course of 16 lectures and seminar discussions on psychobiology will be given in the First year. Basic premises concerning human behaviour are presented and the student is furnished with an introduction to the psychological aspects of medicine.

Professors Cameron and Malmo and Staff

SECOND YEAR

of the

Two courses of lectures, totalling 24 hours, on basic behavioural disorders are given during the Second year. The first course deals primarily with psychopathology and the second with clinical cases and the recognition of the nature of symptoms. Clinical demonstrations are included.

Professors Reed and Lehmann and Staff

THIRD YEAR

70 hours of clinical instruction will be given during the Third year. This instruction will be held primarily on the wards of the teaching hospitals and in the out-patient departments.

Drs. Hisey, Bos, Margetts, Boag, Bowes, and Cormier

FOURTH YEAR THEME IA

Clinical demonstration, out-patient instruction, and ward rounds will be held during the Fourth year. Certain of these will be devoted to early behavioural disturbances, psychosomatic and toxic states, and drug addictions.

Professors Cameron, Moll, Prados, Dancey, Reed, and Staffs

A course of 8 lectures on Community and Preventive Psychiatry will be given during the Fourth year.

Professor Silverman

DEPARTMENT OF RADIOLOGY

Professor Carleton B. Peirce, Chairman
Associate Professors J. J. L. Bouchard

JOSEPH W. MCKAY

Assistant Professor D. L. McRae

Assistant Professor
of Physics
L. G. Stephens-Newsham

Lecturers N. M. Brown E. F. Crutchlow

Demonstrators

J. S. Dunbar
R. G. Fraser

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY To disk become out bus appledingedoved

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systematic roentgen pathology, and the principles of roentgen and radium therapy.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff

FOURTH YEAR

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IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, and McRae, and Staff

POST-GRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals for selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Meschan, Normal Radiographic Anatomy; Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass, and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors P. G. Rowe, Chairman D. R. WEBSTER

Associate Professors della a apparent and apparent

S. J. MARTIN A. L. WILKIE

J. C. Armour D. E. Ross

Assistant Professors

S. G. BAKER H. L. DAWSON

H. S. DOLAN C. M. GARDNER

J. W. GERRIE

J. C. LUKE

C. A. McIntosh E. A. McNaughton H. S. MORTON

H. F. Moseley

Lecturers Lecturers Daily slatigeoff guidones largers och ni graebute

H. A. BAXTER W. M. COUPER

J. C. DICKISON G. A. HOLLAND G. D. LITTLE

D. W. MACKENZIE, JR. J. R. McCorriston J. C. SUTTON

A. M. VINEBERG F. M. WOOLHOUSE

Demonstrators

F. D. ACKMAN

A. R. BAZIN E. H. CAYFORD

R L. ESTRADA

F. N. GURD

J. F. HOPKIRK

R. N. LAWSON

R. C. Long

K. J. MACKINNON

C. K. McLeod

D. R. MURPHY J. D. PALMER

D. W. RUDDICK

Н. Ј. Ѕсотт

A. F. JONES ISRAEL SHRAGOVITCH

E. J. TABAH

ORTHOPAEDIC SURGERY

Assistant Professors

J. G. PETRIE J. G. SHANNON

Lecturers A. A. Butler J. A. L. WALKER

Demonstrators Demonstrators

S. E. GOLDMAN ROBERT G. TOWNSEND

C. LAIRD WILSON

UROLOGY

Clinical Professor

E. S. SMITH

Assistant Professor

R. G. REID

The state of the Lecturers and down a sound and alleger to second the layof

A. B. HAWTHORNE

S. A. MACDONALD

Demonstrators

J. T. MACLEAN MAX RATNER C. A. MOORE

ALEX. STRASBERG

REQUIRED COURSES

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. Two students are in residence for periods of one week at the Royal Victoria Hospital.

SURGICAL DISEASES OF CHILDREN

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY -

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA -

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

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SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery 2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks: 194 di anishold labod has dilesti io mananaged ad l

- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Moseley, Textbook of Surgery.
- 2. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.
- 3. Fractures and Dislocations: Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
 - 4. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases.

- 5. Urology: F. H. Colby, Essential Urology; Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
- 6. Orthopaedic Surgery: Mercer, Orthopaedic Surgery; Willis Campbell, Orthopaedic Operations.

GRADUATE INSTRUCTION

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and administration, vital statistics, biometrics, maternal, infant, pre-school

and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS -

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THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anaesthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE blad has labinite to evision estudo

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE TO THE STATE OF THE STATE OF

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

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The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital

Alexandra Hospital for Infectious Diseases

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill

bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

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Honorary Librarian

C. P. MARTIN

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be

borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

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McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body;
 - (2) To stimulate interest along medical lines;
 - (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY Topical and the state of the state of the (8)

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

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McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1955-56

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

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hose the The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees (see page 305).

I. UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

(a) These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, health service, physical education, sports, games and graduation, but do not include the Students' Society Fees (see page 304).

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Arts	\$350.00
Commerce	375.00
Dentistry (laboratory equipment not included)	475.00
Divinity (except regular candidates for ordination)	300.00
Divinity (except regular candidates for ordination)	350.00
Education (3rd and 4th years B.Ed.)	450.00
Engineering and Architecture (all years)	4. 40.
Graduate Nurses (Degree and Diploma Courses)	350.00
Law	375.00
Library School (includes library visits)	390.00
Medicine	575.00
Music	350.00
	375.00
Physical Education	375.00
Physical and Occupational Therapy	
Science Science and the science and science of the science of	375.00
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(b) The following inclusive fees provide for only limited participation in physical education and sports, and do not include admission to games.

Graduate Studies	300.00
International Air Law	400.00
Social Work	375.00

CONDITIONED STUDENTS Window and live assessmentages sometimes municipal

Special fee for an additional course repeated or substituted by conditioned students (one full course or two half courses)...... \$ 10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per course	 \$ 90.00
Per half course	15 00
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PARTIAL STUDENTS Courses Courses Arts, Science, and Commerce, per course........\$45.00 \$90.00

5.00

\$27.00

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but in all other cases, partial students are subject to the following additional fees:

(a)	If	taking	three	or	more	courses-
100)		cuiring	CHICA	OI	more	courses-

-	The state of more courses
	Athletics\$15.00
	Health Service
	Students Society
	(\$16.00 in Engineering and Law, \$19.00 in

(b) If taking less than three courses—

Grounds (use of Rinks and Tennis Courts during session) McGill Daily and McGill Union or, if desiring full Athletic and Health Service privileges—	\$ 5.00 5.00	
Athletics. Health Service.	\$15.00 7.00	

PAYMENTS BY INSTALMENTS

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Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 15th of January follow-For this privilege the additional fee (payable \$2.50 with each instalment) is\$5.00

McGill Daily and McGill Union.....

In special cases of hardship, application may be made to the Chief Accountant for more extended terms of payments.

11. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	\$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (see pages 311 and 312)	2.00
Graduation in absentia	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copy (at same time)	.50
Duplicated copies of student's record (12 copies)	2.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	10.00
Rental of microscope (per term)	7.50
Rental of microscope (for the session)	12.00
McGill graduates and graduates of other Universities may	use the
University Library on payment of an annual fee of \$5.00.	

III. STUDENTS' SOCIETY FEES TO THE TOTAL BOOK OF THE TOTAL BOOK OF

An annual fee of \$15 (\$16 in Engineering and Law, and \$17 in Medicine) for the support of student organizations is payable by all undergraduates and by partial students taking three or more full courses. Medical students pay an additional \$2.00 for the Medical Journal.

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The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00. In Engineering and Law the Undergraduate Society receives \$2.00; in Medicine, \$3.00.

The women's fee is distributed as follows: Women's Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

Students in the Faculty of Graduate Studies pay an annual fee of \$3.50 for the support of the McGill Union or Women's Union, \$1.50 for the McGill Daily.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost \$1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

- 1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.
- 2. The university does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.
 - 3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration,

failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
- (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
- 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
- 5. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

EXPENSES

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It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Students' Society fee. There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (see pages 306, 307, 309, 310). Books are necessarily a variable expense but probably \$60 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

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BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

Application submitted after July 1st for residence in Douglas Hall or Wilson Hall will not normally be considered.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. The residence has accommodation for approximately 150 students. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture:

ngineering and Architecture.	ACOF 00
First year	\$685.00
Subsequent years	650.00
Subsequent years	685.00
rts, Science, Commerce, Law	#20.00
Medicine and Dentistry (Fourth year)	720.00
Medicine and Dentistry (lower years)	750.00
dedicine and Dentistry (lower years)	and the state of

Students sharing a double study-bedroom will be allowed a rebate of \$40.00 on the above fees.

WILSON MEMORIAL HALL

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Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee. A further rebate of \$20.00 will be allowed in the case of a few of the less favourably situated rooms.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of \$3.50 per day.

Owing to limited accommodation, the normal time of residence in either Hall is restricted to four years, or the time required to obtain one McGill degree, whichever is shorter.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

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The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and it cannot answer correspondence.

The cost of board and lodging in approved rooms varies from \$70 to \$85 per month. Separately, board costs from \$65, and a room from \$35, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 300 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health

offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

APPLICATION FOR RESIDENCE

(a) Out-of-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

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All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, preferably by May 31st. (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (see paragraph on Health, page 309).

Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

It is expected that there will be limited accommodation in the College, during the 1955-56 session, for Montreal students who may wish to live in residence during some part of their academic career. Information regarding this may be obtained from the Warden's Office of the Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

First year—Tuesday, September 20th.

Upper years—Tuesday and Wednesday, September 27th and 28th.

Residences will open for *First year students* on Sunday, September 18th when the mid-day meal will be the first to be served; and for *upper years* on Monday, September 26th.

Students cannot enter residence before the dates specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 272 single and 14 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

RATES

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The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$685.00 and for a student sharing a double room, \$660.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$3.50 per day.

A House Fee of \$10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes \$2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

McLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senoir nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October, 1942, and stands in large and attractive private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES

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Course	Period Period	Single	Multiple
Dentistry 1, 2, 3	Registration—End of Session	\$535	\$440
Dentistry 4	Registration—Convocation	500	415
High School Diploma	Registration—End of		
(Education)	Practice Teaching	535	440
Law 1, 2, 4	Registration—End of Session	420	350
Law 3	Registration—Convocation	460	380
Library School	Registration—Convocation	480	400
Medicine 1, 2, 3	Registration—End of Session	535	440
Medicine 4	Registration—Convocation	500	415
Social Work	Registration—End of Second		
	Term	505	420
Graduate Faculty	Registration—End of the Ex-	condition!	
othes Melloriel the Heal	amination period.	440	365

Additional periods will be charged at the following daily rates: Single, \$2.00; Multiple, \$1.65.

HEALTH SERVICE (MEN AND WOMEN)

The object of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

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The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term may result in the imposition of a fine of an additional \$5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

The University Health Service is organized to provide:

(a) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

PAR

The examinations for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All Third year students have a clinical check in addition to chest X-Ray and laboratory tests.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of \$2.00 is made. Any student who fails to have a medical examination by the University Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 486 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health Service, payment will be made for one-half of all public ward rates in a designated general hospital up to a maximum of \$125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motor-cycles anywhere on the Montreal campus except in such areas as may be specially designated for student parking by official notices.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

SPORTS FOR MEN

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There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3480 University Street, has a complete stock of books and materials recommended by the Staff, and a supply of microscopes, engineering instruments, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1955-56

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May 25th, Wednesday. Convocation.

June 13th, Monday. School Certificate Examinations begin.

June 27th, Monday. Geography Summer School begins. Summer School in Education begins.

June 28th, Tuesday. French Summer School begins.

July 1st, Friday. Dominion Day.

July 30th, Saturday. Summer School in Education ends.

August 6th, Saturday. Geography Summer School ends.

August 10th, Wednesday. French Summer School ends.

August 24th, Wednesday. Last day for filing Graduate theses for Autumn Convocation.

August 29th, Monday. Camp course begins for men in Physical Education.

September 1st, Thursday. Summer School in Mechanical Engineering begins. Registration of all students in the First year in the School for Graduate Nurses.

September 2nd Friday. Registration in Medicine and Dentistry begins.

September 5th, Monday. Labour Day.

September 6th, Tuesday. Registration in the School for Teachers and in First and Second years B.Ed. Third and Fourth year B.Ed. students register at Macdonald College for practice teaching. Registration in Medicine and Dentistry finishes. Outdoor School begins for Second and Third year women in the School of Physical Education. High School Diploma students register at Macdonald College.

September 6th, Tuesday. Conservatorium of Music opens for practical work.

September 7th, Wednesday. Supplemental examinations begin in Arts, Science, Commerce, Fine Arts, Physical Education, and First year Engineering. Registration of students in Third, Fourth, and Fifth years of Physical and Occupational Therapy.

September 7th, Wednesday. Lectures begin in all years of Medicine and Dentistry, and in the School for Teachers. Homemakers register.

- September 8th, Thursday. Outdoor School begins for Second and Third year men students in the School of Physical Education.
- September 8th, Thursday. Supplemental examinations begin in upper years of Engineering and Architecture. Lectures begin in Third, Fourth, and Fifth years of Physical and Occupational Therapy.
- September 10th, Saturday. Registration of Fourth year B.Sc.(H.Ec.) Teaching Option students.
- September 12th, Monday. Special and Supplemental Summer Schools for Mechanical Drawing 511, 521, and 541 begin.
- September 12th, Monday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Last day for reports on Ph.D. theses. Registration of all Second year (9:00 12:00) and all part-time students (1:00 4:00) in the School of Social Work.
- September 13th, Tuesday. Fall Survey School begins. Summer School in Fire Assaying begins. Registration of First year students in the School of Social Work.
- September 13th, Tuesday, to September 24th, Saturday. Final Orals for Ph.D.
- September 14th, Wednesday. General Assembly and reception of all students in the School of Social Work.
- September 15th, Thursday. Instruction begins in the School of Social Work. Supplemental examinations for B.Sc.(Agr.) and B.Sc.(H.Ec.) begin.
- September 16th, Friday. Last day for reports on Masters' theses.
- September 17th, Saturday. Architecture Sketching School begins.
- September 19th, Monday. Registration of students in the Library School.
- September 20th, Tuesday. Registration of students in First year Arts, Science, Commerce, Engineering, Physical Education, and Physical and Occupational Therapy. Supplemental examinations begin in Divinity. Registration of Second year B.Sc.(H.Ec.) students and B.Sc.(Agr.) students taking Agricultural Engineering 39. Lectures begin in the Library School.
- September 21st, Wednesday. Freshman Welcome. 1.45 p.m. Initial English Composition Test for Freshman. Registration of students in First year B.Sc.(Agr.) and B.Sc.(H.Ec.).
- September 22nd, Thursday. Lectures begin in the First year of Arts, Science, Commerce, Engineering, Physical Education, and Physical and Occupational Therapy.
- September 27th, Tuesday. Students in B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts, and Advanced Diploma course in Agriculture register.

September 27th, Tuesday, and September 28th, Wednesday. Registration of students in upper years of B.A., B.Sc., B.Com., Third and Fourth years B.Ed., and in all years of Law and Divinity. Registration of Fourth year students in the School of Physical Education.

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- September 28th, Wednesday. Second year students register at the School for Graduate Nurses. Second year students in Physical and Occupational Therapy register.
 - September 28th, Wednesday. Registration of students in upper years of Engineering and Architecture.
 - September 29th, Thursday. Lectures begin for B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts, and Advanced Diploma Course students in Agriculture.
- September 29th, Thursday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in upper years of Arts, Science, Commerce, Engineering, Architecture, Physical Education, Third and Fourth years B.Ed., Second year of the School of Physical and Occupational Therapy, and in all years of Law, Divinity, Agriculture, Household Science, the School for Graduate Nurses, and the Faculty of Graduate Studies and Research.
 - October 6th, Thursday. Founder's Day Convocation.

 (James McGill born October 6th, 1744, died December 19th, 1813.)
- Thanksgiving Day. No lectures. Date to be announced by the Government of Canada.
 - October 24th, Monday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.
 - October 31st, Monday. Registration and Supplemental examinations for Agriculture Diploma students.
 - November 1st, Tuesday. Lectures begin in Agriculture Diploma Courses.
 - November 5th, Saturday. Last day of Autumn term, School for Teachers.
 - November 7th, Monday. Autumn term examinations begin in the School for Teachers.
 - November 11th, Friday. Remembrance Day Service.
 - November 21st, Monday, to November 25th, Friday. First practice teaching period in the School for Teachers.
 - November 28th, Monday. Winter term begins in the School for Teachers.
 - December 3rd, Saturday, to December 10th, Saturday. Examinations in French and German for Ph.D. students except the German test for those in Physics.

December 13th, Tuesday. First term ends in the Library School.

December 14th, Wednesday, to December 21st, Wednesday. Examinations in the Library School.

December 21st, Wednesday. Last day of lectures and field work in the School of Social Work.

December 22nd, Thursday. Last day of lectures in all other Faculties and Schools.

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January 4th, Wednesday. First term examinations begin in B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., Divinity, Physical Education, and Graduate Nurses.

January 4th, Wednesday. Second term begins in Law, Graduate Studies and in the Library School. Lectures resumed in Medicine, Dentistry, Agriculture, Household Science, Music, and Physical and Occupational Therapy.

January 4th, Wednesday, to January 6th, Friday. Examinations in the School of Social Work.

January 4th, Wednesday, to January 14th, Saturday. Workshop period, School for Teachers.

January 9th, Monday. Second term begins in the School of Social Work.

January 11th, Wednesday. Second term begins in B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., Divinity, Physical Education, and the School for Graduate Nurses.

January 12th, Thursday. First term lectures end in Agriculture and Household Science.

January 16th, Monday. First term examinations begin in Agriculture and Household Science.

January 16th, Monday, to January 20th, Friday. Second practice teaching period in the School for Teachers.

January 23rd, Monday. Second term begins in Agriculture and Household Science.

General Assembly, Macdonald College. Date to be announced.

February 10th, Friday. Founder's Day at Macdonald College. (Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 17th, Friday, and February 18th, Saturday. Mid-term weekend holiday.

February 18th, Saturday. Examinations in German for Ph.D. students in Physics only.

February 21st, Tuesday. Macdonald Royal.

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March 3rd, Saturday. Winter term lectures end in the School for Teachers.

March 5th, Monday, to March 16th, Friday. Third practice teaching period in the School for Teachers.

March 17th, Saturday. Last day of lectures in Agriculture Diploma Courses.

March 19th, Monday. Spring term begins in the School for Teachers.

March 20th, Tuesday. Examinations begin in Agriculture Diploma Courses. Supplemental examinations begin in B.Sc.(Agr.) and B.Sc.(H.Ec.) courses.

March 29th, Thursday. End of session for Agriculture Diploma Course.

March 30th, Friday, to April 2nd, Monday (inclusive). Easter vacation in all Faculties and Schools.

April 6th, Friday. Lectures end in upper years of Engineering and Architecture.

April 10th, Tuesday. Examinations begin in the upper years of Engineering and Architecture.

April 14th, Saturday. Lectures end in First year Engineering and in all other Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 15th, Sunday. Baccalaureate Service at Macdonald College.

April 16th, Monday. Last day for filing Ph.D. theses.

April 18th, Wednesday. Examinations begin in Arts, Science, Commerce, First year Engineering, all years Law, Divinity, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and the School of Physical and Occupational Therapy.

April 20th, Friday. Last day of lectures in the School of Social Work.

April 21st, Saturday. Examinations begin in the Theory of Music.

April 23rd, Monday. Examinations begin in Higher Theoretical Music.

April 24th, Tuesday. Last day of filing theses for Master's degrees.

April 25th, Wednesday, to April 27th, Friday. Examinations in the School of Social Work.

April 28th, Saturday. Last day of lectures in Music.

April 30th, Monday. Full time field work (First year) and full time research (Second year) begin in the School of Social Work.

April 30th, Monday. Practical examinations in Music begin.

May 1st, Tuesday. Last day for application for the majority of Graduate Fellowships.

May 4th, Friday. Lectures end in the Library School.

May 7th, Monday. Last day for reports on Ph.D. theses.

May 7th, Monday, to May 11th, Friday. Examinations in the Library School.

May 7th, Monday, to May 18th, Friday. Final Orals for Ph.D.

May 14th, Monday. Final examinations begin for Homemakers.

May 17th, Thursday. Last day for reports on Masters' theses.

May 19th, Saturday. Last day of Spring term, School for Teachers.

May 23rd, Wednesday. Examinations begin in the School for Teachers.

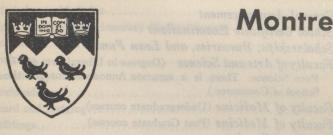
May 30th, Wednesday. Convocation.

June 3rd, Sunday. Divine Service, School for Teachers and Homemaker class of the School of Household Science.

June 7th, Thursday. Graduation exercises, School for Teachers, Handicrafts Course, and Homemaker class of the School of Household Science.

June 8th, Friday. Second term ends in the School of Social Work.

McGill University



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School of Physical and Occupational Therapy entitled and

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine (Undergraduate courses)

Faculty of Medicine (Post Graduate courses)

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

- F. CYRIL JAMES, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.
- G. LYMAN DUFF, M.D., M.A., Ph.D., F.R.C.P.(C.), F.R.S.C.

Dean of the Faculty

- D. S. Fleming, B.A., M.D., C.M., D.P.H. Secretary of the Faculty
- S. H. DOBELL, D.S.O. Comptroller and Executive Assistant to the Principal WILLIAM BENTLEY, C.G.A., F.C.I.S. Bursar
- T. H. MATTHEWS, M.A., LL.D.

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Registrar

G. A. GRIMSON, B.Com.

Chief Accountant

RICHARD PENNINGTON, B.A., Lib.Dip.

University Librarian

LLOYD G. STEVENSON, B.A., M.D., Ph.D.

Honorary Medical Librarian

W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M.

Osler Librarian and Director of the Museum of the History of Medicine

Special Announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

MINION NOR

Faculty of Medicine

The one hundred and twenty-third session of the Faculty will open on September 7th, 1955, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and
Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 2nd or Tuesday, September 6th, 1955. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

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The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

REGULAR STUDENTS		
Annual fee	\$575.00	
Students' Society and Medical Students' Journal fees.	18.00	\$593.00
Students in the Fourth year also pay for meals at the Royal Victoria Montreal Maternity Hospital	tes a so i	\$ 5.00
If paid in two instalments:		
First year only —		
First instalment, on registration	296.50	
Instalment fee	2.50	
	299.00	
Less half deposit	25.00	\$274.00
Second instalment, January 15th		\$274.00
Second and Third years, each instalment		\$299.00
Fourth year, each instalment		\$301.50

- 2. REPEATING STUDENTS
 Students repeating a year pay full fees.
- 3. PARTIAL STUDENTS

 Qualified students may be admitted as partials to one or more courses on payment of special fees.
- 5. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$100.00 for those already holding the D.P.H. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Friday, September 2nd, Tuesday, September 6th to Thursday, September 8th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and

1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

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For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
 - b. one year of interneship in an approved hospital,

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one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore. four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medical Jurisprudence and Toxicology, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery, History of Medicine.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

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There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C = Fair

D = Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, ETC.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
- 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q. Ontario—Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont. New Brunswick—Dr. J. M. Barry, 182 Princess St., Saint John, N.B. Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S. Prince Edward Island—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

Saskatchewan—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon,

British Columbia—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

NEWFOUNDLAND-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 180 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Professor H. R. GRIFFITH, Chairman

Assistant Professors

W. G. CULLEN R. S. FERGUSON R. G. B. GILBERT A. F. PASQUET H. M. SLATER F. A. H. WILKINSON

P. E. O'SHAUGHNESSY W. C. STOCKWELL

Demonstrators

H. T. DAVENPORT GLADYS ELLISON R. H. FERGUSON J. J. KELLY D. J. POWER

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecturedemonstrations.

DEPARTMENT OF ANATOMY

Robert Reford Professor C. P. MARTIN Co-chairmen Professor C. P. LEBLOND

Associate Professor S. M. BANFILL

Assistant Professors PHOEBE L. Cox D. S. FORSTER

Lecturers YVES CLERMONT N. J. NADLER E. WALTER WORKMAN

Hon. Demonstrator HOWARD ROOT

Lecturer to Dental Students

Lecturer in Dental Histology G. Douglas Armstrong

Research Assistants R. E. GLEGG

HENRY ISLER B. E. WALKER

S. S. SMAILL

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

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One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Le Gros Clark, Practical Anatomy, 2nd ed.; Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional Anatomy.

Optional Texts: Quain; Pirsal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, A Text-book of Histology; Anson, Atlas of Anatomy.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Cowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts which may be taken simultaneously or in successive years.

- (a) A seminar on theoretical problems of histology and histochemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. 2 hours lectures and 4 hours laboratory per week.

The practical course is limited to 6 students per year.

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REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during second half of the first medical year.

Recommended reference books: Arey, Developmental Anatomy; Patton, Human Embryology.

Optional Texts: Jordan, Simkins, Baily and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor — , Chairman

Associate Professors G. G. KALZ
J. W. STEVENSON

Assistant Professors FRITZ BLANK
C. D. KELLY
ANNE M. MASSON

Lecturers C. A. BUTAS
J. A. DEVRIES
GRACE GIRVIN
FRANCES H. PRISSICK
RAISSA SILOV

Demonstrator (Teaching Fellow) E. M. D. CLEVELAND

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES
OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their Fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

- 6. BACTERIOLOGY AND IMMUNOLOGY POST-GRADUATE SEMINARS AND DISCUSSIONS
- 9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Conant (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley and Wilson, Principles of Bacteriology, revised by Wilson and Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press). S. P. Bedson et al., Virus & Rickettsial Diseases (Edward Arnold & Co.); A. J. Rhodes and C. E. van Rooyen, Textbook of Virology (Nelson); D. C. Boyd, Fundamentals of Immunology (Interscience); N. P. Sherwood, Immunology (Mosby); C. J. Witton, Microbiology with application to Nursing (McGraw-Hill); S. Raffel, Immunity (Appleton-Century-Crofts); F. M. Burnet, Natural History of Infectious Disease (C.U.P.); E. Jawetz, J. L. Melnick and G. A. Adelberg, Review of Medical Microbiology (Lange Medical Publication, Los Altos, Calif.).

DEPARTMENT OF BIOCHEMISTRY

Professors

D. L. THOMSON, Chairman

J. H. QUASTEL

Associate Professors

O. F. DENSTEDT K. A. C. ELLIOTT R. D. H. HEARD

Sessional Lecturers

ESAU HOSEIN MARGARET PURVIS

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Mitchell, "Text-book of Biochemistry" (McGraw-Hill); West and Todd, "Textbook of Biochemistry" (Macmillan); Fruton and Simmonds, "General Biochemistry" (Wiley).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor

Associate Professors

R. P. VIVIAN, Chairman

D. S. FLEMING C. W. MACMILLAN

Assistant Professors

ofessors Marian Bain Margaret E. Nix

Lecturers

ecturers

A. STEWART ALLAN
E. H. Bensley
H. E. Burke

ETHEL COOKE W. H. CRUICKSHANK

J. E. DE BELLE H. G. Ross

BARUCH SILVERMAN

W. Storrar Milton G. Townsend

J. G. TURNER

FREDERICK WIENER

Demonstrator

H. ALICIA SLEDGE

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the Second year the subject matter is presented in 48 hours of lectures and 12 demonstrations or field trips of $2\frac{1}{2}$ hours each.

The lectures deal with the principles of epidemiology and their application to the investigation and control of both communicable and non-communicable diseases. Special reference is made to the role of the

environment in disease causation. Emphasis is placed upon the role of nutrition in health and disease.

A series of lectures on medical statistics is included in the course. The purpose of this is to acquaint the student with the basic concepts of statistical logic and reasoning and familiarize him with the statistical techniques most frequently used in medical practice and research.

Field trips are undertaken to observe the methods for the control of water, milk, and other foods, and the work of a public health laboratory. Seminars and demonstrations are held on vital statistics, statistical method, and environmental and toxicological problems. The presentations are timed to coincide with complementary material taken up by other departments.

An examination (minor) is held at the end of the Second year.

In the Third year a course of 12 lectures is given to the class as a whole which includes population influences, mortality trends with particular reference to leading communicable and non-communicable diseases, aspects of public welfare, medical economics, and the problem of medical care.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers Public Health organization and administration and the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease. The preparation of sera, vaccines, and toxoids is observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Mental Hygiene, and Nutritional and General Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the Third year.

Text and Reference Books: Mustard, Introduction to Public Health; Leavell and Clark, Preventive Medicine; Maxcy, Rosenau, Preventive Medicine and Hygiene.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A TOXICOLOGY

i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs, and vapours (b) metal fume fever (c) arsenic, lead,

and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE

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A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Test Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

HISTORY OF MEDICINE

Associate Professor

Lecturer

LLOYD G. STEVENSON

EDWARD L. MARGETTS

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

A series of 8 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).

A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor

J. S. L. Browne, Chairman

This Department comes into being on July 1, 1955.

The Department will not conduct undergraduate teaching, but will offer courses and training.

DEPARTMENT OF MEDICINE

Professors

-. Chairman

G. R. Brow W. DEM. SCRIVER E. S. MILLS

Associate Professors

NEIL FEENEY

C. W. FULLERTON

M. M. HOFFMAN

J. F. McIntosh

Assistant Professors

L. J. ADAMS

R. C. BENNETTS

H. E. BURKE

D. G. CAMERON

G. A. COPPING

W. H. P. HILL

J. G. HOWLETT

L. G. JOHNSON

W. R. KENNEDY

S. R. TOWNSEND

Louis Lowenstein

K. R. MACKENZIE

D. L. MENDEL

C. J. PATTEE H. N. SEGALL

H. S. MITCHELL

J. H. PALMER

BRAM ROSE

R. V. WARD

F. M. SMITH

Lecturers

MICHAEL ARONOVITCH

C. S. BARKER

I. C. BECK

F. M. BOURNE

I. O. W. BRABANDER

R. A. CLEGHORN

H. I. CRAMER

A. F. FOWLER

ALEC GORDON

G. W. HALPENNY

R. G. M. HARBERT

CECIL HARRIS

LESTER McCallum

R. D. McKenna

W. G. McLellan

C. J. MOLLOY

J. F. MEAKINS

T. J. QUINTIN

W. S. RODGER LORNE SHAPIRO

MURRAY STALKER

А. Т. Тном

G. R. TURGEON

P. G. WEIL

G. E. WIGHT

Demonstrators

C. M. BALLEM C. C. MACDONALD DAVID BARZA D. J. MACINTOSH R. G. BAXTER D. G. MACKAY T. A. Brown MELVIN McQUITTY LAUDER BRUNTON JOHN MARTIN LLOYD CASWELL ALEXANDER MILLER Myron Notkin PARKER CHESNEY J. A. P. PARE WILLIAM COHEN S. R. COOPER R. E. G. PLACE BERNARD POLLAK BASIL CUDDIHY ALLEN GOLD J. S. POLSON G. E. JORON E. A. S. REID W. A. R. LANG R. G. ROSE A. W. LAPIN JACK H. RUBIN WILFRED LEITH C. B. SMITH B. A. LEVITAN JOSEPH WENER P. N. MACDERMOT J. C. G. Young A. D. MACDONALD

THERAPEUTICS

Associate Professors

C. W. FULLERTON W. DEM. SCRIVER

Lecturers

G. H. FISK B. L. FRANK

DERMATOLOGY

L. P. EREAUX Associate Professor Assistant Professors R. R. Forsey FREDERICK KALZ B. D. USHER

G. E. CRAIG

Lecturers C. J. FOURNIER D. S. MITCHELL

M. S. COHEN Demonstrators PAULA SCHOPFLOCHER

EXPERIMENTAL MEDICINE

E. H BENSLEY Associate Professors ELEANOR H. VENNING

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY
WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3-LABORATORY DIAGNOSIS

Time-Last term of Second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

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COURSE III 4-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7-CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY.

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time-One period a week throughout the year.

Place-Medical Building.

Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY Place—Medical Building.

COURSE IV 16-DERMATOLOGY AND SYPHILOLOGY-PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Brost, Physical Diagnosis; Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham (Harvard Press); Todd and Sanford, Clinical Diagnosis by Laboratory Methods; Leopold, Principles and Methods of Physical Diagnosis; Walker, Physical Diagnosis.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; Gray, Clinical Chemical Pathology; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. I, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman	WILDER PENFIELD
Professor of Neurology and Neurosurgery	THEODORE RASMUSSEN
Professor of Neurosurgery	WILLIAM CONE
Professor of Experimental Neurology	HERBERT JASPER
Associate Professor of Neurology	FRANCIS McNaughton
Associate Professor of Experimental Neurolog	y K. A. C. ELLIOTT
Assistant Professors of Neurology	PRESTON ROBB ARTHUR W. YOUNG
Assistant Professors of Neurosurgery	HAROLD ELLIOTT ARTHUR ELVIDGE
Assistant Professor of Neurological Radiology	DONALD MCRAE
Assistant Professor of Neuroanatomy	JERZY OLSZEWSKI
Lecturers in Neurology	J. B. R. Cosgrove D. L. Lloyd-Smith W. F. T. Tatlow
Lecturers in Neurosurgery	WILLIAM FEINDEL LAMAR ROBERTS
Lecturer in Electroencephalography	PIERRE GLOOR
Lecturer in Clinical Psychology	BRENDA MILNER
Demonstrators in Neurology	Bernard Graham D. E. Howell Reuben Rabinovitch
Demonstrators in Neurosurgery	GILLES BERTRAND JOSEPH STRATFORD

COURSES IN NEUROLOGY AND NEUROSURGERY

Demonstrator in Neuropathology ARMANDO ORTIZ

Demonstrators in Experimental Neurology

HANNA PAPPIUS ERNST FLOREY

HUGH MCLENNAN

Demonstrator in Electroencephalography Lewis Henderson

Fellows of the Montreal Neurological Institute:

CHARLES BRANCH VICTOR KLEIDER

JUANITA CASSELMAN

TEAN CROSS DENNIS GIBLIN MARK RAYPORT

> IRVING HELLER THEODORE HOFF

ARTHUR HUDSON JOHN HUNTER

SHAFICA KARAGULLA

EMILE BERGER YOON BOM KIM

FRANK MORRELL John Mullan

JOHN ROTH

ALAN ROTHBALLER WARREN SIGHTS LEVER STEWART

MICHEL VULPÉ

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ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

> This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery and Physiology.

> > Professors Olszewski, McNaughton, and Jasper

- 2B. NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department of Medicine, Course II, 1. Professors McNaughton and Jasper
- NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. M.G.H. Department of Medicine. Professor Robb

THIRD YEAR

SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Rasmussen and McNaughton

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone and Robb

- 4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday*, 2:00 to 3:00. Professor McNaughton and Assistants
- 4C-1 NEUROLOGY WARD CLASSES. Wednesdays 8:45 to 9:45. M.N.I. (R.V.H. group). Professor McNaughton and Assistants
- 4B-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Monand days and Fridays, 2:00 to 3:00.

 Dr. Tatlow and Assistants
 4C-2
- 4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group). Mondays, 1:00 to 2:00.

 Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group). Thursdays 1:00 to 2:00.

 Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. Wednesdays 2:00 to 3:00. M.N.I. (M.G.H. group).

 Dr. Lloyd-Smith and Assistants
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays 3:00 to 4:00 (M.G.H. group). Dr. Tatlow and Assistants

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting. Students in surgery are assigned neurosurgical cases on a similar basis.

ELECTIVE COURSES

- A. SEMINAR IN NEUROANATOMY, M.N.I.
 - This course is given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.

Additional graduate seminars will be held co-ordinated with Course B, September through December. Thursdays 8:00 p.m.

Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing.

Professors McNaughton and Olszewski

- 2. Advanced Neuroanatomy for selected group; brain modelling. 2 laboratory periods weekly, beginning in January; times to be arranged.

 Professor McNaughton
- B. SEMINAR IN NEUROPHYSIOLOGY.

This course is given in two parts, (1) lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the

^{*}Two Thursdays per month only.

Central Nervous System" and (2) weekly graduate seminars and demonstrations co-ordinated with Course A, September through December.

Thursdays 8:00 p.m.

Professor Jasper

- C. COLLOQUIUM IN CLINICAL NEUROLOGY.

 1 hour weekly, clinics and lectures, Wednesdays 5:00 p.m. M.N.I.

 Staff and Visiting Lecturers
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: NEUROSURGICAL ELECTROENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE. M.N.I., 2 hours weekly (9 months).

Professors Penfield, Rasmussen, Jasper, McNaughton, and McRae

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor

Associate Professor

Assistant Professors

W. R. Foote
J. S. Henry
K. T. MacFarlane
G. B. Maughan
Eleanor Percival
G. A. Simpson
G. J. Strean

Lecturers

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Myer Hendelman Thomas Primrose
J. P. A. Latour J. H. Routledge
J. L. Macarthur D. W. Sparling

Demonstrators

P. R. Blahey Harry Oxorn
H. B. Bourne Joseph Portnuff
J. R. Dodds F. J. Tweedie
Grace Donnelly M. H. V. Young
Simon Gold

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES THE REST OF THE PROPERTY OF T

SECOND YEAR-

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Philpott and Drs. Primrose and Latour

THIRD YEAR-

OBSTETRICS THA EMERICA BOOM BRUSINE !

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium.

 Senior members of the Staff
- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Members of Staff
- 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Members of Staff
- 4. Six seminars on principles and theory of obstetrics. Members of Staff
- 5. Six classes to demonstrate the care of the newborn.

Professor Jessie B. Scriver and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases.

 *Professor Ward and Assistants**
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological patients.

 Professor Ward and Assistants

FOURTH YEAR-

OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.

 Professor Philipott
- 2. Group ward rounds once a week to present the current interesting cases.

 Professor Philpott and Dr. Primrose
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

Members of the Staff

- 5. Four hours of Manikin instruction. Members
 - Members of the Staff
- 6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries. Professor J. B. Scriver and Assistants

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynaecology wards.

 Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynaecological Pathology.

 Dr. Latour and Assistants
 - 3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer.

 Dr. Latour
 - 4. Facilities are extended for attending sixteen gynaecology outpatient clinics.

 Members of the Staff
 - 5. Four revision seminars on Clinical Endocrinology.

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Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery.

Gynaecology Text and Reference Books: Curtis-Huffman, Textbook of Gynaecology; Novak, Textbook of Gynaecology; Shaw, Wilfred, Textbook of Gynaecology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor	K. B. Johnston, Chairman
Associate Professor	BENJAMIN ALEXANDER
Assistant Professor	I. V. V. NICHOLLS

L. S. S. KIRSCHBERG
D. W. McDonald
William Turnbull

WILLIAM TURNBULL
R. J. VIGER

Demonstrators

S. T. Adams
R. A. Bourne
J. B. Conroy
Hugh Duncan
H. Wyatt Laws
John C. Locke
R. W. Pearman

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

Ten hours.

2 LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May and Worth, Gifford, Wolff, Diseases of the Eye.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor	W. J. McNally, Chairman
Assistant Professors	E. E. SCHARFE
	G. E. TREMBLE
Lecturers	H. E. McHugh
	F. W. SHAVER
	E. A. STUART
Demonstrators	J. D. BAXTER
	ARNOLD GROSSMAN
	R. W. Hyde
	E LOUN SMITH
	T. M. TANTON

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

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A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology, and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose, and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat, and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat, and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy, and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh). Logan Turner's Diseases of the Nose, Throat, and Ear, Edited by Douglas Guthrie.

DEPARTMENT OF PAEDIATRICS

Professor

ALAN Ross, Chairman

Associate Professors

R. L. DENTON A. K. GEDDES JESSIE SCRIVER

P. N. MACDERMOT E. M. WORDEN

Lecturers

H. L. BACAL

Demonstrators

BEN BENJAMIN HELEN BRICKMAN

T. A. COWAN S. I. DOUBILET

F. CLARK FRASER VICTOR C. GOLDBLOOM ELEANOR HARPUR

ARNOLD JOHNSON DAVID KLEIN

ROBERT LENNOX FRANCES McCall

D. R. McCRIMMON I. H. O'NEILL

SYDNEY PEDVIS FREDERICK SHIPPAM

HYMAN SURCHIN W. W. TIDMARSH S. J. USHER

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P. G. BANISTER I. S. CHARTERS R. B. GOLDBLOOM

G. H. NICKERSON PIERRE SENECAL

REQUIRED COURSES

LECTURES

(a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS

In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view. Mather attended and banks and bus property seeds and

- (b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. Staff
- 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL
 - (a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.
- (b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.
- (c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

3. CLINICAL PAEDIATRICS

Professor Scriver and Staff

- (a) During the Third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital. Work will be divided between the wards and the out-patient department.
- (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor.

 Staff
 - (c) Care and feeding of the normal infant, immunization procedure, preventive paediatrics; Child Welfare clinics.

 Staff
 - (d) Infectious Diseases.

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A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Professor Worden
Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood;

Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson and Moncrieff, Diseases of Children. Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence; Talbot, Sobel, McArthur and Crawford, Functional Endocrinology; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Green and Richmond, Pediatric Diagnosis.

DEPARTMENT OF PARASITOLOGY

Professor T. W. M. CAMERON, Chairman

Associate Professor Donald Fairbairn

Assistant Professors R. P. HARPUR R. W. WOLFGANG

Lecturer

FUGENE MEEROVITCH

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd ed.).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. LYMAN DUFF, Chairman

THEO. R. WAUGH Professor

Associate Professors G. C. McMillan

J. E. PRITCHARD

DOUGLAS O. W. WAUGH

W. H. MATHEWS Assistant Professors

JERZY OLSZEWSKI F. W. WIGLESWORTH

A. C. RITCHIE H. T. VAN PATTER

Lecturers

Sessional Lecturer D. S. Kahn

Demonstrators P. D. Byers
V. B. Fowler

Sessional Demonstrator M. A. Simon

Teaching Fellows D. C. Fraser
A. W. Gyorfi
Sean Moore
W. J. Pirozynski

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

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A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, McMillan, and Douglas Waugh

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Douglas Waugh with Demonstrators

- 2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)
 - A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professors Duff, T. R. Waugh, and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours.

Professor T. R. Waugh and Staff

- C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours.

 Lecturers and Demonstrators
- 3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

 Professor Duff
 - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute Professor Duff and Dr. Van Patter
Montreal General Hospital Professors Pritchard and Mathews
Children's Memorial Hospital Professor Wiglesworth

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Ogilvie, Pathological Histology (Livingstone); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer): Whitby and Britton, Disorders of the Blood (Churchill).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Novak, Gynaecological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

K. I. MELVILLE, Chairman

Assistant Professor

B. G. BENFEY

Lecturer

L. E. HOKIN

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

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The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Second year.

Textbooks: Krantz and Carr, Pharmacologic Principles of Medical Practice; Clark, Applied Pharmacology; Salter, Textbook of Pharmacology; Drill, Pharmacology in Medicine.

OPTIONS

Suitably prepared students may undertake research at any time; by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor A. S. V. Burgen

Associate Professor B. D. Burns

Assistant Professors

H. Garcia Arocha
Simon Dworkin
Paul Sekelj

Paul Sekelj Kathleen G. Terroux

BERNICE GRAFSTEIN
HELEN HENRIKSON
A. L. JOHNSON

FIRST YEAR

1. PHYSIOLOGY

Tuesday, Thursday, Saturday at 9 a.m., beginning in October.

1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from November.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory, and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Bell, Davidson, and Scarborough, Textbook of Physiology and Biochemistry: Fulton, Textbook of Physiology; or Evans, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wiggers, Physiology in Health and Disease; Wright, Applied Physiology.

OTHER COURSES

Further courses are available only to students who have achieved a high standing in the required courses, by application to the Chairman of the Department.

DEPARTMENT OF PSYCHIATRY

Professor

D. E. CAMERON, Chairman

Associate Professors

R. A. CLEGHORN M. M. HOFFMAN R. B. MALMO A. E. Moll MIGUEL PRADOS BARUCH SILVERMAN E. D. WITTKOWER W. CLIFFORD M. SCOTT

Assistant Professors

SAUL ALBERT T. E. DANCEY H. E. LEHMANN A. W. MACLEOD eronoma included of the second of G. E. REED TAYLOR STATTEN J. S. TYHURST

Lecturers

JOHANN AUFREITER L. G. HISEY JACQUES BEAUBIEN V. A. KRAL T. J. Boag E. L. Margetts CARLO Bos GUSTAV MORF H. A. Bowes MURRAY SAFFRAN HYMAN CAPLAN CHARLES SHAGASS F. C. RHODES CHALKE C. H. SKITCH Bruno Cormier T. L. Sourkes P. G. EDGELL MANUEL STRAKER R. C. M. HAMILTON MARTIN TUNIS HENRY HERSHON SAUL WILNER

Demonstrators

FRIEDL AUFRFITER
SYDNEY BARZA
M. K. BIRMINGHAM
FERN CRAMER
BERNARD GRAD
ANGELA HEFFERMAN
HENRY KRAVITZ
ALAN MANN
LEO MERGLER
C. C. SMITH
LIBUSE TYHURST

Research Assistants

Hassan Azima Joseph Mihalik
J. F. Davis Leo Salk

REQUIRED COURSES

FIRST YEAR

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CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures. In the remaining 14 hours, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view.

Professors Cameron, Ross (Pediatrics), Statten, and Staffs

SECOND YEAR

Two courses of lectures, totalling 24 hours, on basic behavioural disorders are given during the Second year. The first course deals primarily with psychopathology and the second with clinical cases and the recognition of the nature of symptoms. Clinical demonstrations are included.

THIRD YEAR

70 hours of clinical instruction will be given during the Third year. This instruction is given primarily on the wards of the teaching hospitals and in the out-patient departments.

Drs. Bos, Cleghorn, Hisey, Margetts, Tyhurst, and Wilner

Professors Reed and Lehmann and Staff

FOURTH YEAR

Clinical demonstration, out-patient instruction, and ward rounds are held during the Fourth year. Certain of these are devoted to early behavioural disturbances, psychosomatic and toxic states, and drug addictions.

Professors Cameron, Moll, Dancey, Prados, and Reed, and Staffs

A course of 8 lectures on Community and Preventive Psychiatry is given during the Fourth year.

Professor Silverman

DEPARTMENT OF RADIOLOGY

Professor Carleton B. Peirce, Chairman

Associate Professors

J. J. L. Bouchard

Joseph W. McKay

Assistant Professor D. L. McRAE

Assistant Professor
of Physics
L. G. Stephens-Newsham

Lecturers

N. M. Brown
E. F. Crutchlow
J. S. Dunbar
R. G. Fraser

Demonstrator M. N. LOUGHEAD

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

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III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systematic roentgen pathology, and the principles of roentgen and radium therapy.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, McRae, and Staff

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals for selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Meschan, Normal Radiographic Anatomy; Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass, and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors

P. G. Rowe, Chairman D. R. Webster

Associate Professors

J. C. ARMOUR

S. J. MARTIN

D. R. MURPHY A. L. WILKIE

Assistant Professors

S. G. BAXTER

H. L. DAWSON

H. S. DOLAN

C. M. GARDNER

J. C. LUKE

C. A. McIntosh

E. A. McNaughton

H. S. Morton

J. W. GERRIE H. F. Moseley

Lecturers

W. M. COUPER

J. C. DICKISON

G. A. HOLLAND G. D. LITTLE

H. A. BAXTER D. W. MACKENZIE, JR. J. R. McCorriston

J. C. SUTTON

A. M. VINEBERG

F. M. WOOLHOUSE

Demonstrators

F. D. ACKMAN

E. H. CAYFORD H. F. OWEN

R. L. ESTRADA J. D. PALMER

F. N. GURD

J. F. HOPKIRK

G. M. KARN

R. C. LONG A. R. BAZIN C. K. McLeod

D. W. RUDDICK

Н. Ј. Ѕсотт

A. F. JONES ISRAEL SHRAGOVITCH

E. J. TABAH

R. N. LAWSON A. G. THOMPSON

ORTHOPAEDIC SURGERY

Assistant Professors

J. G. PETRIE J. G. SHANNON

Lecturers

A. A. BUTLER J. A. L. WALKER

Demonstrators ROBERT G. TOWNSEND C. LAIRD WILSON

UROLOGY

Clinical Professor

E. S. SMITH

Assistant Professor

R. G. REID

Lecturers

A. B. HAWTHORNE

S. A. MACDONALD

J. T. MACLEAN

Demonstrators

C. A. MOORE

MAX RATNER

K. J. MACKINNON

ALEX. STRASBERG

REQUIRED COURSES-

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. CASE REPORTING

- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. Two students are in residence for periods of one week at the Royal Victoria Hospital.

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY — 100 M and 10 about and

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- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA —

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

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SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery 2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Moseley, Textbook of Surgery.
- 2. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.
- 3. Fractures and Dislocations: Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
- 4. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases.

- 5. Urology: F. H. Colby, Essential Urology; Eisendrath and Rolnick, Urology; D. W. Davis, Mechanisms of Urologic Disease; Campbell, Clinical Pediatric Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
- 6. Orthopaedic Surgery: Mercer, Orthopaedic Surgery; Willis Campbell, Orthopaedic Operations.

GRADUATE INSTRUCTION-

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS -

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THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

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Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities. is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital

Alexandra Hospital for Infectious Diseases

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
 - 4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital Central and Western Divisions is a general hospital of 650 beds for the treatment of acute diseases. In a typical year, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Children's Memorial Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

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Honorary Librarian

LLOYD G. STEVENSON

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

Assistant Librarian LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body:
 - (2) To stimulate interest along medical lines;
 - (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior is open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

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The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

These officers are elected by ballot one west before the annual meding pure competition, has been established in the senior and itself and the first three prices are allowed to compete in time cubjects. The other three prices are allowed to compete in timelor subjects. The papers are subject to the property of the results, and two prices are awarded in cech division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before frebruary 1st. The Society also controls the Students' Reading Room. English and American Journals as well as the leading daily newspapers are tended.

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McGill University

Faculty of Medicine

McGill University



Montreal

Faculty of Medicine
1956-1957

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine (Undergraduate courses)

Faculty of Medicine (Postgraduate courses)

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D. D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. Principal David L. Thomson, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. Vice-Principal G. Lyman Duff, M.D., M.A., Ph.D., F.R.C.P.(C.), F.R.S.C. Dean of the Faculty D. S. Fleming, B.A., M.D., C.M., D.P.H. Secretary of the Faculty William Bentley, C.G.A., F.C.I.S. Bursar T. H. Matthews, M.A., LL.D. Registrar G. A. Grimson, B.Com. Chief Accountant Richard Pennington, B.A., Lib.Dip. University Librarian

KICHARD PENNINGTON, B.A., Lib.Dip.

University Librarian
LLOYD G. STEVENSON, B.A., M.D., Ph.D.

Honorary Medical Librarian
W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M.

Osler Librarian

Special Announcements are available for the School of Physical and Occupational Therapy, the School for Graduate Nurses, and the School of Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Cyrit James, Chevalier de la Légion d'Honneur, B.Com., W.A., Ph. B.D. D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.

THAN DUTY, M.D., M.A., Ph.D., F.R.C.P.(C.), F.R.S.C. TIDOG 13000

FLEHING, B.A., M.D., C.M., D.P.H.

CHALLAW BENTLEY, C.G.A., F.C.L.S.

AM. MATTHEWS, M.A., LL.D. . . .

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W. FRANCIS, A.B., M.D. (Johns Hopkins) M.D. C.M. Adas T.Asmita

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MEDICAL LICITIONS

Faculty of Medicine

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The one hundred and twenty-fourth session of the Faculty will open on September 5th, 1956, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and
Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, August 31st or Tuesday, September 4th, 1956. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

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on should optication form of t The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

PECHIAR CTURE

REGULAR STUDENTS		
Annual fee Students' Society and Medical Students' Journal fees.		\$594.00
Students in the Fourth year also pay for meals at the Royal Victoria Montreal Maternity Hospital If paid in two instalments:	deligina ionony r zaco	\$ 5.00
First year only — First instalment, on registration Instalment fee	297.00 2.50	
Less half deposit	299.50 25.00	\$274.50
Second instalment, January 15th		\$274.50 \$299.50 \$302.00

- 2. REPEATING STUDENTS

 Students repeating a year pay full fees.
- 4. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$100.00 for those already holding the D.P.H. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Friday, August 31st, Tuesday, September 4th to Thursday, September 6th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

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For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

Vendos or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medical Jurisprudence and Toxicology, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery, History of Medicine.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

Note: The examinations of the Third Session are now under review by the Faculty of Medicine. It is possible that certain examinations of that Session may be ranked as major examinations, even though they are not the final examinations in the subjects examined and this may take effect in the academic year 1956-57.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

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There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good at least at cares, and has B = Good at autopaies.

C=Fair

D = Doubtful

E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
- 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC-Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q.

ONTARIO-Dr. Robert T. Noble, 174 St. George St., Toronto 5, Ont.

NEW BRUNSWICK-Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. R. G. Lea, 170 Fitzroy St., Charlottetown, P.E.I.

MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

Alberta—Dr. W. Bramley-Moore, 207 Alexandra Block, €dmonton, Alta.

SASKATCHEWAN—Dr. G. N. Peacock, 415 Birks Bldg., Saskatoon, Sask.
BRITISH COLUMBIA—Dr. Lynn Gunn, 1807 West 10th Avenue,
Vancouver 9, B.C.

Newfoundland-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 77 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Professor

H. R. GRIFFITH, Chairman

Assistant Professors

W. G. CULLEN R. S. FERGUSON R. G. B. GILBERT

Tocturers

P. R. Bromage
H. T. Davenport
GLADYS ELLISON
P. E. O'SHAUGHNESSY

Demonstrators

R. W. M. BETHUNE
J. J. KELLY
A. N. MUNGALL
D. J. POWER
C. A. SHERIDAN

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown and followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecture-demonstrations.

DEPARTMENT OF ANATOMY

Robert Reford Professor C. P. MARTIN
Professor C. P. LEBLOND

Associate Professor S. M. BANFILL

Assistant Professors YVES CLERMONT

Рноеве L. Cox D. S. FORSTER

Lecturers B. E. WALKER

E. WALTER WORKMAN Honorary Demonstrator

HOWARD ROOT Lecturer to Dental Students S. S. SMAILL

Lecturer in Dental Histology G. Douglas Armstrong

Research Assistants

C. E. HOOPER HENRY ISLER H. PUCHTLER H. VANCE

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

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Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Le Gros Clark, Practical Anatomy, 2nd ed.; Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional

Optional Texts: Quain; Pirsal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, A Text-book of Histology; Anson, Atlas of Anatomy.

INTRODUCTION TO MEDICINE

DEPARTMENT OF ANATOMY One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4 ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology; or Ham, Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Cowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts which may be taken simultaneously or in successive years.

- (a) A seminar on theoretical problems of histology and histochemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. 2 hours lectures and 4 hours laboratory per week.

The practical course is limited to 6 students per year.

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REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during the second half of the first medical year. Topics emphasized are: the cardio-vascular, gastro-intestinal, uro-genital and nervous system; and the fetal membranes. Laboratory work consists of studying serial sections of the 10 mm. pig. In addition, a set of slides and models is placed on demonstration each week.

Texts: Sections on embryology in Gray's Anatomy or Cunningham.
Textbook of Anatomy. Also Arey, Developmental Anatomy; Patton,
Human Embryology; Hamilton, Boyd and Mossman, Human Embryology.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor

R. W. REED, Chairman

Associate Professors G. G. KALZ

J. W. STEVENSON

Assistant Professors

FRITZ BLANK

C. D. KELLY
ANNE M. MASSON

Lecturers , MORMONT . J . C.

C. A. Butas J. A. DeVries Grace Girvin Frances H. Prissick Raissa Silov

Demonstrator (Teaching Fellow)

C. E. TANNER

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. MEDICAL BACTERIOLOGY AND IMMUNOLOGY

This course deals with the general principles of medical bacteriology and immunology. The lectures are concerned with the structure and physiology of bacteria, theories of infection and immunity and a systematic study of the pathogenic bacteria, viruses and rickettsiae. Laboratory work provides experience in the cultivation, isolation and identification of bacteria and opportunity to observe their physiological and immunological properties.

Lectures and laboratory work during the first two trimesters of the Second year.

Texts: Zinsser, Testbook of Bacteriology, edited by Smith and Conant (Appleton-Century-Crofts). 10th ed.; Borrows W., Textbook of Microbiology (Saunders), 16th ed.; Jawetz, Review of Medical Microbiology (Lange Medical Publications, Los Altos, California).

References: T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott), 2nd ed.; R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott), 2nd ed.; Rhodes and van Rooyen, Textbook of Virology (Nelson), 2nd ed.; S. Raffel, Immunity (Appleton-Century-Crofts).

- 42. ADVANCED BACTERIOLOGY AND IMMUNOLOGY Textbook of Anatomy Also Aron Dew
- 43. READING COURSE AND THESIS

These classes are limited in size and preference is given to Honours B.Sc. students in their Fourth year. Medical students with high standing in Course 1 and in their medical studies in general may be admitted.

OTHER COURSES

The Department offers facilities for undergraduate and graduate training. See the announcements of the Faculty of Arts and Science and of the Faculty of Graduate Studies and Research.

DEPARTMENT OF BIOCHEMISTRY

Professors

D. L. THOMSON, Chairman J. H. QUASTEL

Associate Professors O. F. DENSTEDT K. A. C. ELLIOTT R. D. H. HEARD

Assistant Professors M. SAFFRAN T. L. Sourkes

Sessional Lecturers ESAU HOSEIN MARGARET PURVIS P. G. SCHOLEFIELD

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Mitchell, Text-book of Biochemistry (McGraw-Hill); Fruton and Simmonds, General Biochemistry (Wiley).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor R. P. VIVIAN, Chairman

Associate Professors D. S. Fleming

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Assistant Professors

MARIAN BAIN MARGARET E. NIX

Lecturers

E. H. BENSLEY H. E. Burke ETHEL COOKE W. H. CRUICKSHANK J. E. DE BELLE A. MACLEOD and have about I at evaluate diduct to sent H. G. Ross and the post and a state of olders beginning W. Storrar MILTON G. TOWNSEND mmi lo seu ode si enhouse has mitertanomed J. G. TURNER FREDERICK WIENER

Demonstrators

A. STEWART ALLEN EDITH M. MANKIEWICZ H. ALICIA SLEDGE

The Department provides two courses for undergraduates in the Faculty of Medicine-Public Health and Preventive Medicine, and Medical Jurisprudence and Toxicology.

The course in Public Health and Preventive Medicine is begun in the autumn term of the Second year and contains, for each student, 40 lectures of 1 hour each and 11 demonstrations or field trips or practice sessions of 2½ hours each, a total time of 67½ hours.

The lectures deal with Epidemiology as a medical science and with the application of epidemiological principles to the study of disease causation

and behaviour. Special emphasis is placed upon the influence of the environment upon health. Nutrition is also dealt with as a problem of ecology. Medical Statistics, including Vital Statistics, deals with census and estimated populations, registration, definition and computation of rates, and with statistical methods and techniques most frequently used in medical work.

Field trips, demonstrations and practice sessions pertinent to the lecture material are arranged which include visits to a water plant and a provincial laboratory; a discussion period on vital statistics; and audio-visual demonstrations on milk and other foods. Four sessions are held in health education and 3 practice sessions in medical statistics are provided.

A minor examination is held at the end of the Second year.

The second part of the course in Public Health and Preventive Medicine is given in the Third year. This part contains 12 lectures given to the class as a whole at weekly intervals during the autumn term and 24 morning sessions of $2\frac{1}{2}$ hours each, in each of the six week concentration periods provided in the curriculum. The total time for each student in the Third year is 72 hours.

The lectures deal with the prevention and control of tuberculosis, industrial health services, exotic diseases, the principles of education and medical economics.

The concentration periods are designed to provide an outline of the organization and activities of public health services in Canada and the operation of local or municipal public health programs, together with didactic material on the etiology, epidemiology and control of specific infectious diseases with demonstration and practice in the use of immunizing agents. The concentration periods also contain the presentation of didactic material on health supervision policies for particular groups in the community with demonstration and discussion. One session is held on hospital-interne relationships.

A final examination is held at the end of the Third year.

Text and Reference Books: Mustard, Introduction to Public Health; Leavell and Clark, Preventive Medicine; Maxcy, Rosenau, Preventive Medicine and Hygiene.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

The course in Medical Jurisprudence and Toxicology consists of some 30 lectures, given to the class as a whole, in the spring term of the Second year.

A. MEDICAL JURISPRUDENCE

Fifteen lectures on (a) legal status of physicians (b) obligation of the doctor to the state (c) professional secrecy—privileged communications (d) responsibility to the patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

B. TOXICOLOGY

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- (1) Acute Poisoning. Eleven lectures on (a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.
- (2) Industrial Toxicology. Four lectures on (a) dusts, fumes, smokes, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

An examination is held at the end of Second year.

Texts and Reference books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaiser, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Long, The Physician and the Law; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Garfarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report no. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

HISTORY OF MEDICINE

Associate Professor

LLOYD G. STEVENSON

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

A series of 8 lectures given during the first month of the medical course

to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).

A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

DEPARTMENT OF INVESTIGATIVE MEDICINE

J. S. L. BROWNE, Chairman

Lecturers

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The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Student may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable. For the list of courses and further details see the Calendar of the Faculty of Graduate Studies and Research.

DEPARTMENT OF MEDICINE

Professors

RONALD V. CHRISTIE, Chairman G. R. Brow W. DEM. SCRIVER E. S. MILLS

Associate Professors

J. G. HOWLETT D. G. CAMERON J. F. McIntosh NEIL FEENEY C. W. FULLERTON H. S. MITCHELL
W. H. P. HILL J. H. PALMER
M. M. HOFFMANN BRAM ROSE

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Assistant Professors

L. J. Adams	Louis Lowenstein
J. C. BECK	K. R. MACKENZIE
R. C. BENNETTS	C. J. PATTEE
H. E. BURKE	H. N. SEGALL
G. A. COPPING	F. M. SMITH
L. G. JOHNSON	S. R. TOWNSEND
W. R. KENNEDY	R. V. WARD

Lecturers

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MICHAEL ARONOVITCH	CECIL HARRIS
C. S. BARKER	LESTER McCallum
W. BAULD	R. D. McKenna
F. M. BOURNE	W. G. McLellan
J. O. W. BRABANDER	C. J. MALLOY
R. A. CLEGHORN	J. F. MEAKINS
H. I. CRAMER	T. L. QUINTIN
P. A. EDWARDS	W. S. RODGER
A. F. FOWLER	LORNE SHAPIRO
B. L. Frank	MURRAY STALKER
ALEC GORDON	А. Т. Тном
G. W. HALPENNY	P. G. WEIL
R. G. M. HARBERT	G. E. WIGHT

Demonstrators

C. M. BALLEM	D. J. MACINTOSH
DAVID BARZA	D. G. MACKAY
R. G. BAXTER	MELVIN McQUITTY
T. A. Brown	JOHN MARTIN
LAUDER BRUNTON	ALEXANDER MILLER
LLOYD CASWELL	MYRON NOTKIN
PARKER CHESNEY	J. A. P. PARE
WILLIAM COHEN	R. E. G. PLACE
S. R. COOPER	BERNARD POLLAK
BASIL CUDDIHY	J. S. Polson
ALLEN GOLD	E. A. S. REID
G. E. JORON	D C Door
W A R LANC	JACK H. RUBIN
A. W. LAPIN	C. B. SMITH
WILFRED LEITH	
B. A. LEVITAN	R. L. STANFORD
P. N. MACDERMOT	JOSEPH WENER
A. D. MACDONALD	D. H. WOODHOUSE
C. C. MACDONALD	I. C. G. Young

THERAPEUTICS

Associate Professors

C. W. FULLERTON W. DEM. SCRIVER

Lecturers

G. H. FISK B. L. FRANK

DERMATOLOGY

Associate Professor

L. P. EREAUX

Assistant Professors

R. R. FORSEY

FREDERICK KALZ B. D. USHER

Lecturers G. E. CRAIG

C. J. FOURNIER

D. S. MITCHELL

Demonstrators M. S. COHEN PAULA SCHOPFLOCHER

EXPERIMENTAL MEDICINE

Associate Professors E. H BENSLEY

ELEANOR H. VENNING

Assistant Professor

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory-thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

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COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3-LABORATORY DIAGNOSIS

Time-Last term of Second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

Unusual facilities are afforced at the Royal Victoria Hospinaay Conti

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6—CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-

Time-Weekly during the medical term. The work of meronson

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once a week throughout the year.

Place-Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place-Medical Building.

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Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place-The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Brost, Physical Diagnosis; Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham (Harvard Press); Todd and Sanford, Clinical Diagnosis by Laboratory Methods; Leopold, Principles and Methods of Physical Diagnosis; Walker, Physical Diagnosis.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; Gray, Clinical Chemical Pathology; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. I, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

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Chairmen WILDER PENFIELD Professor of Neurology and Neurosurgery Theodore Rasmussen Professor of Neurosurgery WILLIAM CONE Professor of Experimental Neurology HERBERT JASPER Associate Professor of Neurology FRANCIS McNaughton Associate Professor of Experimental Neurology K. A. C. ELLIOTT Associate Professor of Neurological Radiology DONALD MCRAE Assistant Professors of Neurology PRESTON ROBB ARTHUR W. YOUNG Assistant Professors of Neurosurgery HAROLD ELLIOTT ARTHUR ELVIDGE Assistant Professor of Neuroanatomy JERZY OLSZEWSKI Lecturers in Neurology J. B. R. COSGROVE BERNARD GRAHAM D. E. HOWELL D. L. LLOYD-SMITH REUBEN RABINOVITCH W. F. T. TATLOW Lecturers in Neurosurgery GILLES BERTRAND LAMAR ROBERTS JOSEPH STRATFORD Lecturer in Electroencephalography PIERRE GLOOR Lecturers in Experimental Neurology ERNST FLOREY HANNA PAPPIUS Lecturer in Clinical Psychology BRENDA MILNER Demonstrator in Neurology IRVING HELLER Demonstrators in Neurosurgery ARMANDO ORTIZ ALAN ROTHBALLER Demonstrator in Neuropathology ELLIS KEENER

Demonstrator in Electroencephalography

LEWIS HENDERSON

Fellows of the Montreal Neurological Institute:

EMIL BERGER CHARLES BRANCH ARNOLD BERRETT ELIZABETH FLOREY CLAUDE GAUTHIER Leslie Geiger V. Calderon Reyes
Lieselotte Gerhard John Roth
Purvis Henderson Alan Rothballer THEODORE HOFF SHAFICA KARAGULLA YOON BOM KIM VICTOR KLEIDER RICHARD LENDE A. ROBERT MARTIN JUHN WADA GORDON MATHIESON

MARY MORROW ALAN MORTON MITSUO NUMOTA JACK ORBACH MARK RAYPORT BOHDAN ROZDILSKY WARREN SIGHTS Lever Stewart CHEN TSAI MICHEL VULPÉ NICHOLAS ZERVAS

SECOND YEAR

ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2A 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Professors Olszewski, McNaughton and Jasper

- NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department 2B of Medicine, Course II, 1. Professor Rasmussen
- NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre 2C clinics. M.G.H. Department of Medicine. Dr. Tatlow

THIRD YEAR

SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays, 3A 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Rasmussen, McNaughton and staff

FOURTH YEAR

NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre. Professors Cone, Robb and staff

- 4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday*, 2:00 to 3:00. Professor McNaughton and Assistants
- 4C-1 NEUROLOGY WARD CLASSES. Wednesdays, 8-45 to 9:45. M.N.I. (R.V.H. group). Professor McNaughton and Assistants
- 4B-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Mondays and Fridays, 2:00 to 3:00.

 Dr. Tatlow and Assistants
- 4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group). Mondays, 1:00 to 2:00. Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group). Thursdays, 1:00 to 2:00.

 Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. Wednesdays, 2:00 to 3:00. M.N.I. (M.G.H. group). Professor McNaughton and Assistants
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00 to 4:00 (M.G.H. group). Dr. Tatlow and Assistants

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting.

ELECTIVE COURSES

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- A. SEMINAR IN NEUROANATOMY, M.N.I.
 - This course in given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.

Additional graduate seminars will be held co-ordinated with Course B.

Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing.

Professors Olszewski and McNaughton

- 2. Advanced Neuroanatomy for selected group; brain modelling, beginning in January; times to be arranged. Professor McNaughton
- B. SEMINAR IN NEUROPHYSIOLOGY.

This course is given in two parts, (1) lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the Central Nervous System" and (2) weekly seminars and demonstrations co-ordinated with Course A (4 months, beginning in December). Mondays, 4:30 to 6:00 p.m.

Professor Jasper

^{*}Two Thursdays per month only.

- C. COLLOQUIUM IN CLINICAL NEUROLOGY. 1 hour weekly, clinics and lectures, Wednesdays, 5:00 p.m. M.N.I. Staff and Visiting Lecturers (9 months).
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: NEUROSURGICAL, ELECTROENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE. M.N.I. 11/2 hours weekly (9 months). Professors Penfield, Rasmussen, Jasper, McNaughton and McRae
- E. OUTLINE OF NEUROCHEMISTRY. Lectures and demonstrations, M.N.I. (2 months, beginning in April). Professor Elliott Mondays 4:30 to 6:00 p.m.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

N. W. PHILPOTT, Chairman Professor Associate Professor C. V. WARD W. R. FOOTE Assistant Professors J. P. A. LATOUR K. T. MACFARLANE G. B. MAUGHAN ELEANOR PERCIVAL G. A. SIMPSON G. J. STREAN

Lecturers

Myer Hendleman J. H. Routledge J. L. MACARTHUR D. W. SPARLING THOMAS PRIMROSE

Demonstrators Demonstrators E. A. MACCALLUM P. R. BLAHEY HARRY OXORN H. B. BOURNE JOSEPH PORTNUFF J. R. Dodds F. J. TWEEDIE GRACE DONNELLY SIMON GOLD M. H. V. YOUNG

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period. Individual instruction is given by the Resident Staff and Fellows.

REQUIRED COURSES

SECOND YEAR-

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Philpott and Drs. Primrose and Latour

THIRD YEAR-

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OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium.

 Senior members of the Staff
- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Members of Staff
 - 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Members of Staff
- 4. Six seminars on principles and theory of obstetrics. Members of Staff
 - 5. Six classes to demonstrate the care of the newborn.

Professor Jessie B. Scriver and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases.

 Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological patients. Professor Ward and Assistants

FOURTH YEAR-

OBSTETRICS

- 1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.

 Professor Philipott
- 2. Group ward rounds once a week to present the current interesting cases.

 Professor Philpott and Dr. Primrose
- 3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

Members of the Staff

- 5. Four hours of Manikin instruction. Members of the Staff
- 6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries.

 Professor J. B. Scriver and Assistants

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynaecology wards. Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynaecological Pathology. Dr. Latour and Assistants
 - 3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer.
- 4. Facilities are extended for attending sixteen gynaecology outpatient Members of the Staff clinics.
 - 5. Four revision seminars on Clinical Endocrinology. the diagnosis and wisha consens

Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery. Sommer of theory of the engineers of the mines xill A

Gynaecology Text and Reference Books: Curtis-Huffman, Textbook of Gynaecology; Novak, Textbook of Gynaecology; Shaw, Wilfred, Textbook of Gynaecology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor	K. B. Johnston, Chairman	2. Th
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L. S. S. KIRSCHBERG ANY HISUOT Lecturers D. W. McDonald add to monoponem one statistical of some William Turnbull, with

R. J. VIGER

Demonstrators S. T. ADAMS R. A. BOURNE J. B. CONROY

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The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

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1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2 LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year. Ten hours.

FOURTH YEAR to ymotens lamon edt dilw lieb ensiskitened beed I

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May and Worth, Gifford, Wolff, Diseases of the Eye.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor W. J. McNally, Chairman

Assistant Professors E. E. Scharfe G. E. Tremble

Lecturers H. E. McHugh F. W. Shaver E. A. Stuart

Demonstrators

J. D. Baxter
Arnold Grossman
R. W. Hyde
E. John Smith

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology, and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose, and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat, and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat, and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy, and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh). Logan Turner's Diseases of the Nose, Throat, and Ear, Edited by Douglas Guthrie.

DEPARTMENT OF PAEDIATRICS

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Professor Alan Ross, Chairman Associate Professors R. L. DENTON homes bear that and annuh yelden some A. K. Geddes

Jessie Scriver

Assistant Professors A. L. Johnson P. N. MacDermot

E. M. WORDEN Lecturers H. L. BACAL

Ben Benjamin

Demonstrators Helen Brickman T. A. COWAN S. I. Doubilet F. CLARK FRASER
VICTOR C. GOLDBLOOM VICTOR C. GOLDBLOOM ELEANOR HARPUR DAVID KLEIN FRANCES McCall D. R. McCrimmon G. H. NICKERSON J. H. O'NEILL Sydney Pedvis Sydney Pedvis
Frederick Shippam

Hyman Surchin W. W. Tidmarsh S. J. USHER ISOBEL WRIGHT

Teaching Fellows P. G. BANISTER J. S. CHARTERS R. B. GOLDBLOOM PIERRE SENECAL Mitchell and Nelson, Discusca of Infants and Children; Ellis, Discases

REQUIRED COURSES

LECTURES and mod walk and an amplemental plants rebuilt ashelies

1. (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS

In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development are discussed from the broadest possible point of view.

- (b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. Staff
- 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL
 - (a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.
 - (b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.
 - (c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Professor Scriver and Staff

3. CLINICAL PAEDIATRICS

- (a) During the Third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Montreal Children's Hospital. Work is divided between the wards and the outpatient department.
- (b) Groups during the final year spend four weeks entirely at the Montreal Children's Hospital as clinical clerks and taking part in bedside clinical conferences.

 Staff
- (c) Care and feeding of the normal infant, immunization procedure, preventive paediatrics; Child Health clinics.

 Staff
- (d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the Professor Worden instruction of the final year. Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson and Moncrieff, Diseases of Children. Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence; Talbot, Sobel, McArthur and Crawford, Functional Endocrinology; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Green and Richmond, Pediatric Diagnosis.

DEPARTMENT OF PARASITOLOGY

Professor

T. W. M. CAMERON, Chairman

Associate Professor

DONALD FAIRBAIRN

Assistant Professors

R. P. HARPUR L. K. WHITTEN

Lecturer

EUGENE MEEROVITCH

REQUIRED COURSES

SECOND YEAR

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2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES TO HT AT JAPONES ME BENTIOD S

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd ed.).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. LYMAN DUFF, Chairman

Associate Professors G. C. McMillan

J. E. PRITCHARD

Douglas O. W. Waugh

Assistant Professors

W. H. MATHEWS JERZY OLSZEWSKI

A. C. RITCHIE

F. W. WIGLESWORTH

V. B. FOWLER

Lecturer

Sessional Lecturer

Demonstrators

D. S. KAHN

S. MOORE

W. J. PIROZYNSKI

J. R. STUART

Sessional Demonstrator

Teaching Fellows

M. A. SIMON

S. M. GREENHORN
I. KERNER

W. J. KINTZEN

REQUIRED COURSES

- 1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)
 - A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors Duff, McMillan, Ritchie, and Douglas Waugh

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Ritchie with Demonstrators

- 2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)
 - A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professor Duff and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours.

Staff and Demonstrators

- C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours.

 Lecturers and Demonstrators
- 3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

 Professor Duff
 - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute Montreal General Hospital Montreal Children's Hospital Professor Duff and Dr. V. B. Fowler
Professors Pritchard and Mathews
Professor Wiglesworth

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

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General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Ogilvie, Pathological Histology (Livingstone); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer): Whitby and Britton, Disorders of the Blood (Churchill).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Novak, Gynaecological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

K. I. MELVILLE, Chairman

Assistant Professors

B. G. Benfey L. E. Hokin

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY (1) PROJUBLES HOSTIBLES

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms. Second year.

Textbooks: Krantz and Carr, Pharmacologic Principles of Medical Practice; Clark, Applied Pharmacology; Drill, Pharmacology in Medicine; Goodman and Gilman, Pharmacological Basis of Therapeutics (2nd ed.).

OPTIONS

Suitably prepared students may undertake research at any time; by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor

F. C. MacIntosh, Chairman

Professor

A. S. V. BURGEN

Associate Professor

B. D. BURNS

Assistant Professors

V. B. Brooks Simon Dworkin

H. GARCIA-AROCHA PAUL SEKELJ

KATHLEEN G. TERROUX

Lecturers

A. L. Johnson

P. B. STEWART

Research Associate

REQUIRED COURSES

FIRST YEAR

- 1. PHYSIOLOGY
 Tuesday, Thursday, Saturday at 9 a.m., beginning in October.
- 1D. Demonstrations Friday at 3 p.m.
- 1L. PHYSIOLOGICAL LABORATORY

 Three hours a week, from November.

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INTRODUCTION TO MEDICINE

One hour a week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

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ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory, and one hour demonstration a week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Systematic Physiology: Best and Taylor, The Living Body; Bell, Davidson, and Scarborough, Textbook of Physiology and Biochemistry; Fulton, Textbook of Physiology; or Evans, Human Physiology.

Applied Physiology: Best and Taylor, Physiological Basis of Medical Practice; Wiggers, Physiology in Health and Disease; Wright, Applied Physiology.

ELECTIVE COURSE

1E. SELECTED TOPICS IN PHYSIOLOGY

These are discussed from the point of view of current research in the Department.

2 hours a week, from January.

DEPARTMENT OF PSYCHIATRY

Professor

D. E. CAMERON, Chairman

Associate Professors R. A. CLEGHORN the two own and a course work R. B. Malmo owt tank palitasson of noisess does to effect allow us is the A. E. Mollins idayed MIGUEL PRADOS BARUCH SILVERMAN E. D. WITTKOWER W. CLIFFORD M. SCOTT

Assistant Professors

SAUL ALBERT T. E. DANCEY V. A. KRAL H. E. LEHMANN A. W. MACLEOD G. E. REED TAYLOR STATTEN J. S. Tyhurst ANATOMY AND PHYSIOLOGY OF THE CENTRAL

Lecturers

HENRY HERSHON JOHANN AUFREITER L. G. HISEY HASSAN AZIMA JACQUES BEAUBIEN GUSTAV MORF T. J. Boag Charles Shagass C. H. SKITCH CARLO BOS R. B. SLOANE H. A. Bowes Hyman Caplan Manuel Straker Bruno Cormier G. C. Taylor P. G. EDGELL MARTIN TUNIS SAUL WILNER R. C. M. HAMILTON

Demonstrators Demonstrators

FRIEDL AUFREITER HENRY KRAVITZ L. HUTSON SYDNEY BARZA M. K. BIRMINGHAM I. KENT ALAN MANN C. CAHN LEO MERGLER G. CHRISTIE FERN CRAMER J. NAIMAN C. C. SMITH BERNARD GRAD LIBUSE TYHURST ANGELA HEFFERMAN

Research Assistants

J. F. DAVIS

LEO SALK

REQUIRED COURSES

FIRST YEAR

CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures. In the remaining 14 hours, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view. Professors Cameron, Ross (Pediatrics), Statten, and Staffs

SECOND YEAR

Two courses of lectures, totalling 24 hours, on basic behavioural disorders are given during the Second year. The first course deals primarily with psychopathology and the second with clinical cases and the recognition of the nature of symptoms. Clinical demonstrations are included.

Professors Reed and Lehmann and Staff

THIRD YEAR

70 hours of clinical instruction will be given during the Third year. This instruction is given primarily on the wards of the teaching hospitals and in the out-patient departments.

Drs. Bos, Cleghorn, Hisey, Taylor, Tyhurst, and Wilner

FOURTH YEAR

Clinical demonstration, out-patient instruction, and ward rounds are held during the Fourth year. Certain of these are devoted to early behavioural disturbances, psychosomatic and toxic states, and drug addictions.

Professors Cameron, Moll, Dancey, Prados, and Reed, and Staffs

A course of 8 lectures on Community and Preventive Psychiatry is given during the Fourth year.

Professor Silverman

DEPARTMENT OF RADIOLOGY

Professor CARLETON B. PEIRCE, Chairman

Associate Professors J. J. L. BOUCHARD JOSEPH W. MCKAY

Assistant Professor

Assistant Professor
of Physics L. G. Stephens-Newsham

Lecturers N. M. Brown N. M. Brown J. S. Dunbar

R. G. Fraser

Demonstrator

M. N. LOUGHEAD

FIRST YEAR

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In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY AUGUS AS CONTROL OF THE PROPERTY OF In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and rentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with clinical methods in physical examination. Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general principles of roentgen interpretation, systematic roentgen pathology, and the therapeutic use of ionizing radiations.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students assigned to Internal Medicine, Paediatrics and Surgery in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, and Staff

Text and Reference Books: Meschan, Normal Radiographic Anatomy; Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass, and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals for selected graduates of approved Faculties or Schools of Medicine.

DEPARTMENT OF SURGERY

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P. G. Rowe, Chairman D. R. Webster

Associate Professors

J. C. ARMOUR S. J. MARTIN

D. R. MURPHY A. L. WILKIE

Assistant Professors

S. G. BAXTER H. L. DAWSON C. A. McIntosh

C. M. GARDNER J. W. GERRIE

J. C. LUKE

H. S. DOLAN E. A. McNaughton H. S. MORTON H. F. Moseley

Lecturers

F. N. GURD G. A. HOLLAND G. D. LITTLE

H. A. BAXTER J. R. McCorriston W. M. Couper J. D. Palmer J. C. DICKISON J. C. SUTTON A. M. VINEBERG F. M. WOOLHOUSE

Demonstrators

F. D. ACKMAN R. N. LAWSON A. R. BAZIN R. C. Long H. F. OWEN H. E. BEARDMORE J. A. DRUMMOND D. W. RUDDICK R. L. ESTRADA H. J. SCOTT J. F. HOPKIRK ISRAEL SHRAGOVITCH A. F. Jones E. J. Tabah G. M. KARN A. G. THOMPSON

ORTHOPAEDIC SURGERY

Assistant Professors J. G. Petrie.

J. G. Shannon

Lecturers A. A. Butler and the desire of the second beautiful J. A. L. WALKER vol and

ROBERT G. TOWNSEND C. LAIRD WILSON

UROLOGY

Assistant Professors

A. B. HAWTHORNE R. G. REID

Lecturers

S. A. MACDONALD J. T. MACLEAN

Demonstrators

K. J. MACKINNON C. A. MOORE ALEX, STRASBERG

REQUIRED COURSES-

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course

- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. It is compulsory that every student must be in residence for a period of one week at either the Montreal General Hospital or the Royal Victoria Hospital during the term in Surgery.

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY—

FOURTH YEAR

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- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.
 - *Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

ANAESTHESIA - bas leneral General and - AIZHTESANA

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

jointly with the Department of Pathology, at the Montes RAY GROSS

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery 2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.
- 4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Moseley, Textbook of Surgery.
 - 2. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson.

- 3. Fractures and Dislocations: Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
 - 4. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases.
 - 5. Urology: F. H. Colby, Essential Urology; Eisendrath and Rolnick, Urology; D. W. Davis, Mechanisms of Urologic Disease; Campbell, Clinical Pediatric Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
 - 6. Orthopaedic Surgery: Mercer, Orthopaedic Surgery; Willis Campbell, Orthopaedic Operations.

GRADUATE INSTRUCTION-

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- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and

administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The

extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

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This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital. was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS for undergraduate teaching and graduate research ZIATIPO

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Montreal Children's Hospital

Alexandra Hospital for Infectious Diseases

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

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The Montreal General Hospital is a general hospital of 720 beds for the treatment of acute diseases. In a typical year, there were approximately 16,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 100.

The "Montreal General" was founded in 1821; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Montreal Children's Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian LLOYD G. STEVENSON

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

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Librarian W. W. Francis

Assistant Librarian LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 12,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 145 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body; og of gnied reside at anielbeid ni astrubergrabmu
 - (2) To stimulate interest along medical lines;
 - (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior is open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

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McGill University



Montreal

Faculty of Medicine

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine (Undergraduate courses)

Faculty of Medicine (Postgraduate courses)

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

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F. CYRIL JAMES, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. Principal DAVID L. THOMSON, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. Vice-Principal LLOYD G. STEVENSON, B.A., M.D., Ph.D. Dean of the Faculty D. S. FLEMING, B.A., M.D., C.M., D.P.H. Secretary of the Faculty WILLIAM BENTLEY, C.G.A., F.C.I.S. Bursar T. H. MATTHEWS, M.A., LL.D. Registrar G. A. Grimson, B.Com. Comptroller RICHARD PENNINGTON, B.A., Lib.Dip. University Librarian W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M. Osler Librarian

Special Announcements are available for the School of Physical and Occupational Therapy, and the School for Graduate Nurses.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

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FACULTY OF MEDICINE

ADMINISTRATIVE OFFICIERS

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DE TREMOR, MA, PLD, M.D. F.C.I.C. R.R.S.C. MARK

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A complete list of the maching staff of the University, including the Paculty and didne, is printed as a separate Announcement, which may be conducted.

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MCGILL UNIVERSIT

Faculty of Medicine

The one hundred and twenty-fifth session of the Faculty will open on September 4th, 1957, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required: Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, August 30th or Tuesday, September 3rd, 1957. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

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The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1. REGULAR STUDENTS

Annual fee (including Students' Society and Medical		
Students' Journal fees)		\$650.00
Students in the Fourth year also pay for meals at the		
Royal Victoria Montreal Maternity Hospital		\$ 5.00
If paid in two instalments:		
First year only — has a salina and salina an		
First instalment, on registration	325 00	
Instalment fee	2.50	
	327.50	
Less half deposit.	25.00	\$302.50
Second instalment, January 15th	reneith	\$302.50
Second and Third years, each instalment		\$327.50
Fourth year, each instalment		\$330.00

- 2. REPEATING STUDENTS
 Students repeating a year pay full fees.
- 4. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$100.00 for those already holding the D.P.H. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Friday, August 30th, Tuesday, September 3rd to Thursday, September 5th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

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For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore. four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medical Jurisprudence and Toxicology, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics. Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery, History of Medicine.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

The examinations in Medicine and Surgery at the conclusion of the Third Session are ranked as major examinations, even though they are not the final examinations in these subjects.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations. A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

GRADING

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C = Fair

D = Doubtful

E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
 - 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
 - 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC-Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q.

ONTARIO-Dr. H. McPhedran, 174 St. George St., Toronto 5, Ont.

New Brunswick-Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. R. G. Lea, 170 Fitzroy St., Charlottetown, P.E.I.

Manitoba—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

Alberta—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. N. Peacock, 415 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. Lynn Gunn, 1807 West 10th Avenue,
Vancouver 9, B.C.

Newfoundland—Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 77 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Professor

H. R. GRIFFITH, Chairman

Wellcome Research Professor J. G. ROBSON

Assistant Professors

W. G. CULLEN H. T. DAVENPORT R. S. FERGUSON R. G. B. GILBERT ALAN B. NOBLE

P. R. BROMAGE GLADYS ELLISON J. J. KELLY P. E. O'SHAUGHNESSY

Demonstrators

E. W. LARKING D. J. L. MACWATT R. A. MILLAR A. N. MUNGALL D. J. POWER C. A. SHERIDAN

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown which is followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecturedemonstrations.

DEPARTMENT OF ANATOMY

principal de la maite de la	
Professors	C. P. LEBLOND, Chairman C. P. MARTIN
Associate Professors	S. M. BANFILL J. LANGMAN
Assistant Professor	Y. CLERMONT
Hon. Lecturer	E. W. WORKMAN
Lecturers	L. HELLER B. E. WALKER
Lecturer to Dental Students	G. A. BRABANT
Lecturer in Dental Histology	G. Douglas Armstrong
Demonstrator, Histology and	Embryology M. BLAIR
Demonstrator, Histology	H. Root
Teaching Fellow	W. R. KENT
Research Assistants	C. E. HOOPER
	H. Isler H. Puchtler
RECUIRED	H. VANCE

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

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Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: Gray, Anatomy (English edition) or Cunningham, Text-Book of Anatomy.

Practical Manuals: Le Gros Clark, Practical Anatomy, 2nd ed.; Buchanan, Manual of Anatomy; Johnston, Synopsis of Regional Anatomy.

Optional Texts: Quain; Pirsal; Spalteholz, Atlas; Fraser, Anatomy of the Human Skeleton; Fraser and Robbins; Larsell; Ramson; E. E. Hewer, A Text-book of Histology; Anson, Atlas of Anatomy.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY .

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: Ham, Histology; Bailey, Text-Book of Histology; or Maximow and Bloom, Text-Book of Histology.

Additional Reading: De Robertis, Nowinski, and Saenz, General Cytology; Cowdry, Text-Book of Histology.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts which may be taken simultaneously or in successive years.

- (a) A seminar on theoretical problems of histology and histochemistry. One hour weekly.
- (b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological techniques, histo-chemical reactions, radioactive elements (detection by radioautographs and Geiger counter), photographic methods, etc. 2 hours lectures and 4 hours laboratory per week.

The practical course is limited to 6 students per year.

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REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during the second half of the first medical year. Topics emphasized are: the cardio-vascular, gastro-intestinal, uro-genital and nervous system; and the fetal membranes. Laboratory work consists of studying serial sections of the 10 mm. pig. In addition, a set of slides and models is placed on demonstration each week.

Texts: Sections on embryology in Gray's Anatomy or Cunningham. Textbook of Anatomy. Also Arey, Developmental Anatomy; Patton Human Embryology; Hamilton, Boyd and Mossman, Human Embryology.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor	R. W. REED, Chairman
Associate Professors	G. G. KALZ J. W. STEVENSON
Assistant Professors	FRITZ BLANE C. A. BUTAS GRACE GIRVIN K. F. GIRARD
Lecturers	J. A. DE VRIES E. MANKIEWICZ O. MORGANTE F. H. PRISSICK RAISSA SILOV

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

21. MEDICAL BACTERIOLOGY AND IMMUNOLOGY

This course deals with the general principles of medical bacteriology and immunology. The lectures are concerned with the structure and physiology of bacteria, theories of infection and immunity and a systematic study of the pathogenic bacteria, viruses and rickettsiae. Laboratory work provides experience in the cultivation, isolation and identification of bacteria and opportunity to observe their physiological and immunological properties.

Lectures and laboratory work during the first two trimesters of the Second year.

Texts: Zinsser, Testbook of Bacteriology, edited by Smith and Conant (Appleton-Century-Crofts). 10th ed.; Burrows W., Textbook of Microbiology (Saunders), 16th ed.; Jawetz, Review of Medical Microbiology (Lange Medical Publications, Los Altos, California).

References: T. M. Rivers, Viral and Rickettsial Infections of Man (Lippincott), 2nd ed.; R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott), 2nd ed.; Rhodes and van Rooyen, Textbook of Virology (Nelson), 2nd ed.; S. Raffel, Immunity (Appleton-Century-Crofts).

42. ADVANCED MICROBIOLOGY

42b. IMMUNOLOGY

44. BACTERIOLOGY READING COURSE AND THESIS

OTHER COURSES

The Department offers facilities for undergraduate and graduate training. See the announcements of the Faculty of Arts and Science and of the Faculty of Graduate Studies and Research.

DEPARTMENT OF BIOCHEMISTRY

Professors

D. L. THOMSON, Chairman J. H. QUASTEL

Associate Professors

O. F. DENSTEDT K. A. C. ELLIOTT R. D. H. HEARD

Assistant Professors

M. SAFFRAN T. L. Sourkes

Sessional Lecturers

ESAU HOSEIN MARGARET PURVIS P. G. Scholefield

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: Harper, Review of Physiological Chemistry (Lange); Fruton and Simmonds, General Biochemistry (Wiley).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

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One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor

R. P. VIVIAN, Chairman

Associate Professors

D. S. FLEMING C. W. MACMILLAN

Assistant Professors

MARIAN BAIN MARGARET E. NIX

Lecturers

E. H. BENSLEY
H. E. BURKE
ETHEL COOKE
W. H. CRUICKSHANK
J. E. DE BELLE
A. MACLEOD
H. G. ROSS

W. Storrar Milton G. Townsend

J. G. TURNER FREDERICK WIENER

Demonstrators

A. STEWART ALLEN EDITH M. MANKIEWICZ H. ALICIA SLEDGE

The Department provides two courses for undergraduates in the Faculty of Medicine—Public Health and Preventive Medicine, and Medical Jurisprudence and Toxicology.

The course in Public Health and Preventive Medicine is begun in the autumn term of the Second year and contains, for each student, 40 lectures of 1 hour each and 11 demonstrations or field trips or practice sessions of $2\frac{1}{2}$ hours each, a total time of $67\frac{1}{2}$ hours.

The lectures deal with Epidemiology as a medical science and with the application of epidemiological principles to the study of disease causation

and behaviour. Special emphasis is placed upon the influence of the environment upon health. Nutrition is also dealt with as a problem of ecology. Medical Statistics, including Vital Statistics, deals with census and estimated populations, registration, definition and computation of rates, and with statistical methods and techniques most frequently used in medical work.

Field trips, demonstrations and practice sessions pertinent to the lecture material are arranged which include visits to a water plant and a provincial laboratory; a discussion period on vital statistics; and audio-visual demonstrations on milk and other foods. Four sessions are held in health education and 3 practice sessions in medical statistics are provided.

A minor examination is held at the end of the Second year.

The second part of the course in Public Health and Preventive Medicine is given in the Third year. This part contains 12 lectures given to the class as a whole at weekly intervals during the autumn term and 24 morning sessions of $2\frac{1}{2}$ hours each, in each of the six week-concentration periods provided in the curriculum. The total time for each student in the Third year is 72 hours.

The lectures deal with the prevention and control of tuberculosis, industrial health services, exotic diseases, the principles of education and medical economics.

The concentration periods are designed to provide an outline of the organization and activities of public health services in Canada and the operation of local or municipal public health programs, together with didactic material on the etiology, epidemiology and control of specific infectious diseases with demonstration and practice in the use of immunizing agents. The concentration periods also contain the presentation of didactic material on health supervision policies for particular groups in the community with demonstration and discussion. One session is held on hospital-interne relationships.

A final examination is held at the end of the Third year.

Text and Reference Books: Mustard, Introduction to Public Health; Leavell and Clark, Preventive Medicine; Maxcy, Rosenau, Preventive Medicine and Hygiene.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

The course in Medical Jurisprudence and Toxicology consists of some 30 lectures, given to the class as a whole, in the spring term of the Second year.

A. MEDICAL JURISPRUDENCE

Fifteen lectures on (a) legal status of physicians (b) obligation of the doctor to the state (c) professional secrecy—privileged communications

(d) responsibility to the patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

B. TOXICOLOGY

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- (1) Acute Poisoning. Eleven lectures on (a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.
- (2) Industrial Toxicology. Four lectures on (a) dusts, fumes, smokes, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

An examination is held at the end of Second year.

Texts and Reference books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaiser, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Long, The Physician and the Law; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Garfarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report no. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

HISTORY OF MEDICINE

Professor

LLOYD G. STEVENSON

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

A series of 8 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).

A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor

J. S. L. BROWNE, Chairman

Lecturers INGE DYRENFURTH C. J. P. GIROUD N. KALANT

J. F. McIntosh

H. S. MITCHELL

J. H. PALMER

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable. For the list of courses and further details see the Calendar of the Faculty of Graduate Studies and Research.

DEPARTMENT OF MEDICINE

Professor

RONALD V. CHRISTIE, Chairman

Associate Professors

I. G. HOWLETT D. V. BATES D. G. CAMERON NEIL FEENEY C. W. FULLERTON BRAM ROSE W. H. P. HILL

M. M. HOFFMANN

Assistant Professors

K. R. MACKENZIE L. J. ADAMS J. F. MEAKINS J. C. BECK R. C. Bennetts C. J. Pattee H. E. Burke H. N. Segall

Assistant Professors—(cont'd)

G. A. COPPING F. M. SMITH L. G. Johnson F. M. Smith S. R. Townsend Louis Lowenstein

R. V. WARD

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MICHAEL ARONOVITCH LESTER McCallum C. S. Barker Eleanor McGarry W. BAULD F. M. BOURNE J. O. W. Brabander R. A. Cleghorn H. I. CRAMER P. A. EDWARDS A. F. FOWLER B. L. FRANK ALEC GORDON A. T. THOM G. W. HALPENNY R. G. M. HARBERT CECIL HARRIS

R. D. McKenna W. G. McLellan IAN MILNE T. L. QUINTIN W. S. RODGER LORNE SHAPIRO MURRAY STALKER P. G. WEIL G. E. WIGHT

Demonstrators

Eva Arendt C. M. BALLEM DAVID BARZA R. G. BAXTER T. A. Brown LAUDER BRUNTON LLOYD CASWELL PARKER CHESNEY A. W. LAPIN

R. L. STANFORD

WILFRED LEITH

B. A. LEVITAN

D. H. WOODHOUSE

P. N. MACDERMOT

A. D. MACDENTED

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A. D. MACDONALD

C. C. MACDONALD D. J. MACINTOSH D. G. MACKAY MELVIN McQUITTY D. M. MARCUS JOHN MARTIN ALEXANDER MILLER R. O. MORGEN WILLIAM COHEN MYRON NOTKIN S. R. Cooper J. A. P. Pare BASIL CUDDIHY R. E. G. PLACE J. H. DARRAGH BERNARD POLLAK S. Eidinger J. S. Polson ALLEN GOLD E. A. S. REID T. R. HALE R. G. Rose G. E. JORON JACK H. RUBIN W. A. R. LAING C. H. STACEY

THERAPEUTICS

Associate Professors

C. W. FULLERTON

R. R. FORSEY

Lecturers

G. H. FISK

B. L. FRANK

DERMATOLOGY

Associate Professors

L. P. EREAUX R. R. FORSEY

Assistant Professors

G. E. CRAIG FREDERICK KALZ

B. D. USHER

Lecturers

C. J. FOURNIER D. S. MITCHELL

Demonstrators

M. S. COHEN

PAULA SCHOPFLOCHER

P. P. TELNER

EXPERIMENTAL MEDICINE

Associate Professors

E. H BENSLEY

ELEANOR H. VENNING

Assistant Professor

A. SEHON

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

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COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3-LABORATORY DIAGNOSIS

Time-Last term of Second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals. Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time-Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time-Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year.

Place-Medical Building.

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Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15—A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17-THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: Brost, Physical Diagnosis; Cabot and Adams, Physical Diagnosis; Gradwohl, Clinical Laboratory Methods and Diagnosis; Hutchison and Hunter, Clinical Methods; Major, Physical Diagnosis; McGill University, Guide to Medical Case Reporting; A Syllabus of Laboratory Examination in Clinical Diagnosis, edited by Thomas H. Ham (Harvard Press); Todd and Sanford, Clinical Diagnosis by Laboratory Methods; Leopold, Principles and Methods of Physical Diagnosis; Walker, Physical Diagnosis.

Physio-Pathology: Best and Taylor, The Physiological Basis of Medical Practice; Bodansky and Bodansky, Biochemistry of Disease; Canterow and Trumper, Clinical Biochemistry, 4th ed.; Gray, Clinical Chemical Pathology; McLeod, Physiology in Modern Medicine; Peters and Van Slyke, Quantitative Clinical Chemistry, Vol. I, Interpretations; Sodeman, Pathologic Physiology; Wright, Applied Physiology.

General Medicine: Cecil, Text Book of Medicine; Christian, Principles and Practice of Medicine; Conybeare, Text Book of Medicine; Harrison, Principles of Internal Medicine; Meakins, Practice of Medicine; Tidy, General Medical Text Book; Yater, Fundamentals of Internal Medicine.

Differential Diagnosis: Savill, System of Clinical Medicine; Yater, Symptoms and Diagnosis

Dermatology and Syphilology: McKenna, Text Book of Dermatology; Tobias, Advances in Dermatology; Walker and Percival, Introduction to Dermatology.

Miscellaneous Reference Books: Duncan, Diseases of Metabolism; Cheney, Medical Management of Gastro-Intestinal Disorders; Joslin, Diabetic Manual; McLester, Nutrition and Diet in Health and Disease; Moore, Syphilology; Sutton and Sutton, Disorders of the Skin; Ormsby and Montgomery, Diseases of the Skin; Cooke, Allergy, Theory and Practice; White, Heart Disease; Dressler and Roesler, An Atlas of Electrocardiography; Friedberg, Diseases of the Heart; Taussig, Congenital Malformation of the Heart; Wintrobe, Clinical Hematology; Whitby and Britton, Disorders of the Blood; Rubin, Diseases of the Chest; Soskin, Progress in Clinical Endocrinology.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

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Professor of Neurology and Neurosurgery

THEODORE RASMUSSEN

Professor of Neurosurgery

WILLIAM CONE

Professor of Experimental Neurology

HERBERT JASPER

Associate Professor of Neurology Francis McNaughton

Associate Professor of Experimental Neurology K. A. C. ELLIOTT

Associate Professor of Neurological Radiology Donald McRae

Assistant Professor of Neurology

J. B. R. Cosgrove D. L. LLOYD SMITH PRESTON ROBB

W. F. T. TATLOW A. W. Young

Assistant Professors of Neurosurgery HAROLD ELLIOTT

ARTHUR ELVIDGE

Lecturers in Neurology Bernard Graham

D. E. Howell REUBEN RABINOVITCH

Lecturers in Neurosurgery GILLES BERTRAND

LAMAR ROBERTS

Lecturer in Electroencephalography PIERRE GLOOR

Lecturer in Experimental Neurology Hanna Pappius

Lecturer in Clinical Psychology

BRENDA MILNER

Demonstrator in Neurology

IRVING HELLER

Demonstrators in Neurosurgery

RANKIN HAY VICTOR KLEIDER MARK RAYPORT

Demonstrator in Neuropathology

WARREN SIGHTS

Demonstrator in Electroencephalography

LEWIS HENDERSON

Fellows of the Montreal Neurological Institute:

J. ANTONIO AGUILAR MARY JANE AGUILAR HANS BAMMER EMIL BERGER CHARLES BRANCH DANIEL BRITCHETTI ALEXANDER DE WILLEBOIS LISELOTTE GERHARDT A. MAXWELL HOUSE KITUYA IWAMA JOHN C. KENNADY ELLIS B. KEENER Yoon Bom Kim RICHARD LENDE TOHN LITVAK A. ROBERT MARTIN

HUGH McDonald ENRIQUE RAMON MOLINER JOHN C. PACE PHANOR L. PEROT JACK ORBACH ARMANDO ORTIZ GIANFRANCO RICCI BICE RICCI HUGH SAMSON CHUN-JEN SHIH ANTONE TARAZ GORDON THOMPSON CHEN TSAI VINCENZO VALENTINO DANICA VANECEK

SECOND YEAR

2A ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Professors McNaughton and Jasper

- 2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 2 lectures. Department of Medicine, Course II, 1.

 Professor Rasmussen
- 2C NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. M.G.H. Department of Medicine. Dr. Tailow

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Rasmussen, McNaughton and staff

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone, Robb and staff

- 4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday*, 2:00 to 3:00. Professor McNaughton and Assistants
- 4C-1 NEUROLOGY WARD CLASSES. Wednesdays, 8:45 to 9:45 a.m. M.N.I. (R.V.H. group)

 Professor McNaughton and Assistants
- 4B-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Monand days and Fridays, 2:00 to 3:00.

 Dr. Tatlow and Assistants
- 4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group) Mondays, 1:00 to 2:00. Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group) Thursdays, 1:00 to 2:00. Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. Wednesdays, 2:00 to 3:00. M.N.I. (M.G.H. group)

 Professor McNaughton and Assistants
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00 to 4:00. (M.G.H. group)

 Dr. Tatlow and Assistants

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting.

ELECTIVE COURSES

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A. SEMINAR IN NEUROANATOMY, M.N.I.

 This course in given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.

Additional graduate seminars will be held co-ordinated with Course B.

Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing, and to act as demonstrators.

Professor McNaughton

2. Advanced Neuroanatomy for selected group; brain modelling, beginning in January; times to be arranged. Professor McNaughton

B. SEMINAR IN NEUROPHYSIOLOGY.

This course is given in two parts, (1) lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the Central Nervous System" and (2) weekly seminars and demonstrations co-ordinated with Course A (4 months, beginning in December). Mondays, 4:30 to 6:00 p.m.

Professor Jasper

^{*}Two Thursdays per month only.

- C. COLLOQUIUM IN CLINICAL NEUROLOGY. 1 hour weekly, clinics and lectures, Wednesdays, 5:00 p.m. M.N.I. Staff and Visiting Lecturers (9 months).
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL ELECTRO-ENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE. M.N.I. 1½ hours weekly (9 months). Professors Penfield, Rasmussen, Jasper, McNaughton and McRae
- E. OUTLINE OF NEUROCHEMISTRY. Lectures and demonstrations, M.N.I. (2 months, beginning in April). Mondays 4:30 to 6:00 p.m. Professor Elliott

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor G. B. Maughan, Chairman

Associate Professor

C. V. WARD

Assistant Professors

W. R. FOOTE

J. P. A. LATOUR K. T. MacFarlane ELEANOR PERCIVAL

G. A. SIMPSON

G. J. Strean

Myer Hendleman J. H. Routledge J. L. MACARTHUR D. W. SPARLING THOMAS PRIMROSE

Demonstrators

P. R. BLAHEY H. B. BOURNE I. R. Dodds GRACE DONNELLY Simon Gold M. H. V. Young

E. A. MACCALLUM HARRY OXORN JOSEPH PORTNUFF F. J. TWEEDIE

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of five, during this period. Individual instruction Is given by the Staff.

REQUIRED COURSES

SECOND YEAR-

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Twelve lectures are given as an introduction to the subject. These lectures are on the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Maughan and Drs. Primrose and Latour

THIRD YEAR-

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium. Senior members of the Staff
- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations. Members of Staff
- 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital. Members of Staff
- 4. Six seminars on principles and theory of obstetrics. Members of Staff
 - 5. Six classes to demonstrate the care of the newborn.

Professor Aubrey K. Geddes and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases. Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological disorders. Professor Ward and Assistants

FOURTH YEAR-

OBSTETRICS

- 1. Thirty-four clinical demonstrations to illustrate the management of obstetrical complications. Progessor Maughan
- 2. Group ward rounds once a week to present the current interesting Professor Maughan and Dr. Primrose
- 3. Twenty-four hours in bedside clinics and the caseroom to teach the management of the obstetrical patient. Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

Members of the Staff

5. Four hours of Manikin instruction. Members of the Staff

6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries. Professor A. K. Geddes and Assistants

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynaecology wards.

 Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynaecological Pathology.

 Dr. Latour and Assistants
- 3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer.

 Dr. Latour
- 4. Facilities are extended for attending sixteen gynaecology outpatient clinics.

 Members of the Staff
- 5. Four revision seminars on Clinical Endocrinology.

Members of the Staff

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Eastman, Textbook of Obstetrics; Gibbard, Textbook of Midwifery; W. Shaw, Textbook of Midwifery.

Gynaecology; Rovak, Textbook of Gynaecology; Shaw, Wilfred, Textbook of Gynaecology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor	JOHN C. LOCKE, Chairman
Associate Professor	BENJAMIN ALEXANDER
Assistant Professor	J. V. V. NICHOLLS
Lecturers	L. S. S. KIRSCHBERG D. W. McDonald
	WILLIAM TURNBULI R. J. VIGER
Demonstrators	S. T. ADAMS

S. T. Adams
R. A. Bourne
J. B. Conroy
Hugh Duncan
H. Wyatt Laws
Sean B. Murphy

R. W. PEARMAN

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

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1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course. Five hours.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year. Ten hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May and Worth, Gifford, Wolff, Diseases of the Eye. Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor	W. J. McNally, Chairman
Assistant Professors	E. E. Scharfe G. E. Tremble
Lecturers	H. E. McHugh F. W. Shaver E. A. Stuart
Demonstrators	
	R. W. Hyde E. John Smith

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR I seek to the chinest work of the TANY THIRD YEAR

A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology, and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose, and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat, and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat, and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy, and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh). Logan Turner's Diseases of the Nose, Throat, and Ear, Edited by Douglas Guthrie.

DEPARTMENT OF PAEDIATRICS

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Professor ALAN Ross, Chairman Associate Professors R. L. DENTON A. K. GEDDES JESSIE SCRIVER

Assistant Professors A. L. Johnson P. N. MACDERMOT E. M. WORDEN

Lecturers an entropy of management H. L. BACAL BEN BENJAMIN

Demonstrators Helen Brickman D. K. CLOGG T. A. COWAN S. I. DOUBILET

VICTOR C. GOLDBLOOM ELEANOR HARPUR DAVID KLEIN FRANCES MCCALL D. R. McCrimmon

Is removed and the classification and based asset of J. H. O'NEILL G. H. NICKERSON SYDNEY PEDVIS FREDERICK SHIPPAM Frederick Shippam
Hyman Surchin
W. W. Tidmarsh S. J. USHER

ISOBEL WRIGHT

Teaching Fellows J. S. CHARTERS R. B. GOLDBLOOM PIERRE SENECAL Mischell and Nelson, Diseases of Infants and Children; Effis, Diseases

REQUIRED COURSES

LECTURES

REQUIRED COURSES 1. (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS

In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development are discussed from the broadest possible point of view. Alsonasid shaning banning basis is the street

- (b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. Staff
- 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL
 - (a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.
 - (b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.
 - (c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Professor Geddes and Staff

3. CLINICAL PAEDIATRICS

- (a) During the Third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Montreal Children's Hospital. Work is divided between the wards and the outpatient department.
- (b) Groups during the final year spend four weeks entirely at the Montreal Children's Hospital as clinical clerks and taking part in bedside clinical conferences.

 Staff
- (c) Care and feeding of the normal infant, immunization procedure, preventive paediatrics; Child Health clinics.

 Staff
- (d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Professor Worden

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood Mitchell and Nelson, Diseases of Infants and Children; Ellis, Diseases of Infancy and Childhood; Paterson, McCreary et al, Pediatrics.

Reference Books: Brenneman, Practice of Pediatrics; Gamble, Extracellular Fluids; Smith, Physiology of the New Born Infant; Caffey, Pediatric X-Ray Diagnosis; Windle, Physiology of the Fetus; Kanner, Child Psychiatry; Wilkins, The Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence; Talbot, Sobel, McArthur and Crawford, Functional Endocrinology; Ford, Diseases of the Nervous System in Infancy, Childhood and Adolescence; Gesell, The Embryology of Behaviour; DeSanetis and Varga, Handbook of Pediatric Medical Emergencies; Green and Richmond, Pediatric Diagnosis.

DEPARTMENT OF PARASITOLOGY

Professor

T. W. M. CAMERON, Chairman

Associate Professor

DONALD FAIRBAIRN

Assistant Professors

R. P. HARPUR L. K. WHITTEN

Lecturer

EUGENE MEEROVITCH

REQUIRED COURSES

SECOND YEAR

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2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd ed.).

DEPARTMENT OF PATHOLOGY

Strathcona Professor

-, Chairman

Associate Professors G. C. McMillan

G. C. McMillan J. E. Pritchard

Douglas O. W. Waugh

Assistant Professors

W. H. MATHEWS A. C. RITCHIE F. W. WIGLESWORTH

Lecturers

SEAN MOORE
PAULA H. SCHOPFLOCHER

Sessional Lecturer

D. S. Kahn

Demonstrators

M. J. Aguilar
S. M. Greenhorn
I. Kerner
S. Ritchie

Sessional Demonstrator

Teaching Fellows

M. A. Simon
W. J. Kintzen

REQUIRED COURSES

- 1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)
 - A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors -, McMillan, Ritchie, and Douglas Waugh

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Ritchie with Demonstrators

M. M. SALISNJAK

- 2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)
 - A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professor — and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours.

Staff and Demonstrators

- C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours.

 Lecturers and Demonstrators
- 3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

 Professor——
 - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute Professor — and Dr. Seán Moore

Montreal General Hospital Professors Pritchard and Mathews

Montreal Children's Hospital Professor Wiglesworth

Textbook: Anderson, Pathology (Mosby); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner, Human Pathology (Lippincott); Moore, Text-Book of Pathology (Saunders); Wright, Introduction to Pathology (Longmans Green).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Ogilvie, Pathological Histology (Livingstone); Willis, The Pathology of Tumours (Butterworth).

Special: Lumb, Tumours of Lymphoid Tissue (Livingstone).

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Novak, Gynaecological and Obstetrical Pathology (Saunders); Geschikter, Diseases of The Breast (Lippincott); Geschikter and Copeland, Tumours of Bone (American Journal of Cancer).

Farber, The Post Mortem Examination (Charles Thomas); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY

Professor

K. I. MELVILLE, Chairman

Assistant Professors

B. G. BENFEY L. E. HOKIN

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

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The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

Second year. CONFERENCES. During the year four conferences of 45 minutes each and limited to six students, will be arranged. These conferences will replace the regular laboratory periods at the times specified.

Textbooks: Krantz and Carr, Pharmacologic Principles of Medical Practice; Clark, Applied Pharmacology; Drill, Pharmacology in Medicine; Goodman and Gilman, Pharmacological Basis of Therapeutics (2nd ed.).

OPTIONS Suitably prepared students may undertake research at any time; by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

A. S. V. BURGEN Professor

Associate Professors B. D. Burns H. GARCIA-AROCHA

Assistant Professors SIMON DWORKIN PAUL SEKELJ

Manual as 181 as 1916 but of a language Kathleen G. Terroux Lecturers A. L. Johnson

G. C. SALMOIRAGHI P. B. STEWART

G. B. FRANK Sessional Lectures NORAH HILDEBRAND

REQUIRED COURSES

FIRST YEAR

- 1. PHYSIOLOGY Tuesday, Thursday, Saturday at 9 a.m., beginning in October.
- 1D. Demonstrations Friday at 3 p.m.

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1L. PHYSIOLOGICAL LABORATORY

Three hours a week, from November.

INTRODUCTION TO MEDICINE

One hour a week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

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ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM Two hours lecture, two hours laboratory, and one hour demonstration a week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Introductory: Bell, Davidson and Scarborough, Textbook of Physiology and Biochemistry; Best and Taylor, The Living Body.

Recommended General Texts: Guyton, Textbook of Medical Physiology; Wright, Applied Physiology.

Reference Texts: Best and Taylor, The Physiological Basis of Medical Practice; Evans, Human Physiology; Fulton, Textbook of Physiology; Houssay, Human Physiology.

ELECTIVE COURSE

1E. SELECTED TOPICS IN PHYSIOLOGY

These are discussed from the point of view of current research in the Department.

2 hours a week, from January.

DEPARTMENT OF PSYCHIATRY

Professors

D. E. CAMERON, Chairman A. E. MOLL

Associate Professors

R. A. CLEGHORN CERTIFICATION A. R. B. HUMAN RELEASIONSHIPS: A total of 16 hours, the bline a regard at animary and all secured Miguel Prados ows and BARUCH SILVERMAN W. CLIFFORD M. SCOTT TAYLOR STATTEN triografication of the state of the state of the J. S. Tyhurst dath but a E. D. WITTKOWER

Assistant Professors

SAUL ALBERT C. Bos T. E. DANCEY V. A. KRAL tening by the to some trees of A and the E. LEHMANN A. W. MACLEOD G. E. REED M. SAFFRAN C. SHAGASS T. L. Sourkes

Lecturers and secretary served second present was the

JOHANN AUFREITER B. GRAD Hassan Azima R. C. M. Hamilton Jacques Beaubien L. G. Hisey GUSTAV MORF M. K. BIRMINGHAM С. Н. Ѕкітсн T. J. Boag R. B. SLOANE H. A. Bowes C. CAHN MANUEL STRAKER G. C. TAYLOR HYMAN CAPLAN MARTIN TUNIS BRUNO CORMIER P. G. EDGELL SAUL WILNER

Demonstrators

FRIEDL AUFREITER I. KENT FERN CRAMER D. LEVIN ALAN MANN G. HANRAHAN Angela Hefferman Leo Mergler BRIAN HUNT J. NAIMAN R. C. A. HUNTER G. J. SARWER-FONER HENRY KRAVITZ C. C. SMITH LIBUSE TYHURST L. HUTSON

Research Assistants

I. F. DAVIS I. G. HENDERSON

LEO SALK

REQUIRED COURSES

FIRST YEAR

CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures. In the remaining 14 hours, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view. Professors Cameron, Ross (Pediatrics), Statten, and Staffs

SECOND YEAR

Two courses of lectures, totalling 24 hours, on basic behavioural disorders are given during the Second year. The first course deals primarily with psychopathology and the second with clinical cases and the recognition of the nature of symptoms. Clinical demonstrations are included.

Professors Reed and Lehmann and Staff

THIRD YEAR

70 hours of clinical instruction will be given during the Third year. This instruction is given primarily on the wards of the teaching hospitals and in the out-patient departments.

Drs. Bos, Cleghorn, Hisey, Taylor, Tyhurst, and Wilner

FOURTH YEAR

Clinical demonstration, out-patient instruction, and ward rounds are held during the Fourth year. Certain of these are devoted to early behavioural disturbances, psychosomatic and toxic states, and drug addictions.

Professors Cameron, Moll, Dancey, Prados, and Reed, and Staffs

A course of 8 lectures on Community and Preventive Psychiatry is given during the Fourth year. Professor Silverman

DEPARTMENT OF RADIOLOGY

Professor

CARLETON B. PEIRCE, Chairman

Associate Professors

J. J. L. BOUCHARD JOSEPH W. MCKAY

D. L. MCRAE

Assistant Professors

E. F. CRUTCHLOW J. S. DUNBAR R. G. FRASER

Assistant Professor of Physics

L. G. STEPHENS-NEWSHAM

Lecturer

N. M. Brown

Demonstrators R. M. CUNNINGHAM B. B. HALE

M. N. LOUGHEAD

D. J. SIENIEWICZ

FIRST YEAR

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In co-operation with the Department of Anatomy, demonstrations are given on the roentgenologic anatomy of the skeletal, respiratory, gastrointestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and rentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with clinical methods in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general principles of roentgen interpretation, systematic roentgen pathology, and the therapeutic use of ionizing radiations.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students assigned to Internal Medicine, Paediatrics and Surgery in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, and Staff

Text and Reference Books: Meschan, Normal Radiographic Anatomy; Sante, Principles of Roentgenological Interpretation; Holmes and Robbins, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden et al., Diagnostic Radiology; Pancoast, Pendergrass, and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wesson and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor, and Weatherwax, Physical Foundations of Radiology.

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals for selected graduates of approved Faculties or Schools of Medicine.

DEPARTMENT OF SURGERY

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Radiology

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Professors P. G. Rowe, Chairman D. R. Webster

Associate Professors

S. J. MARTIN D. R. MURPHY A. L. WILKIE

Assistant Professors

S. G. BAXTER H. L. DAWSON

J. C. LUKE

C. M. GARDNER J. W. GERRIE

C. A. McIntosh E. A. McNaughton H. S. MORTON H. F. Moseley

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F. N. GURD G. A. HOLLAND G. D. LITTLE

J. C. SUTTON A. M. VINEBERG

J. R. McCorriston

F. M. WOOLHOUSE

J. D. PALMER

Demonstrators

F. D. ACKMAN R. N. LAWSON A. R. BAZIN R. C. LONG

H. E. BEARDMORE H. F. OWEN

J. A. DRUMMOND R. L. ESTRADA

D. W. RUDDICK

H. J. SCOTT

J. F. HOPKIRK ISRAEL SHRAGOVITCH A. F. JONES E. J. TABAH

G. M. KARN A. G. THOMPSON the Assertance of the second of the Montreal Congral

ORTHOPAEDIC SURGERY

Assistant Professors J. G. Petrie

J. G. Shannon

Lecturers A. A. Butler J. A. L. Walker

Demonstrators

ROBERT G. TOWNSEND C. LAIRD WILSON

UROLOGY

A. B. HAWTHORNE Assistant Professors R. G. REID S. A. MACDONALD Lecturers J. T. MACLEAN K. J. MACKINNON Demonstrators C. A. MOORE ALEX. STRASBERG

REQUIRED COURSES-

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course

- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. It is compulsory that every student must be in residence for a period of one week at either the Montreal General Hospital or the Royal Victoria Hospital during the term in Surgery.

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY -

FOURTH YEAR

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- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

ANAESTHESIA - Dee Invento legitoria sit of selection make troop and

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Royal Victoria Bospitals, four times a week during the surgical quarter

UROLOGY -

SECOND YEAR STANDARD AND THE VIDEO OF THE VI

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery 2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

- 1. General Surgery: Aird, Companion in Surgical Studies; Bailey, Demonstration of Physical Signs in Clinical Surgery; Berman, Principles and Practice of Surgery; Christopher, Minor Surgery; Christopher, Textbook of Surgery; Cole and Elman, Textbook of General Surgery; Homans, Textbook of Surgery; Moseley, Textbook of Surgery.
- 2. Surgical Anatomy: McGregor, Synopsis of Surgical Anatomy; Beasley and Johnson

- 3. Fractures and Dislocations: Watson Jones, Fractures and other Bone and Joint Injuries; Eve, Handbook of Fractures.
- 4. Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Clases.
- 5. Urology: F. H. Colby, Essential Urology; Eisendrath and Rolnick, Urology; D. W. Davis, Mechanisms of Urologic Disease; Campbell, Clinical Pediatric Urology; Winsbury-White, Textbook of Genito-Urinary Surgery.
- 6. Orthopaedic Surgery: Mercer, Orthopaedic Surgery; Willis Campbell, Orthopaedic Operations.

GRADUATE INSTRUCTION-

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- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
 - 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and

administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The

extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

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This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Montreal Children's Hospital

Alexandra Hospital for Infectious Diseases

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

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The Montreal General Hospital is a general hospital of 720 beds for the treatment of acute diseases. In a typical year, there were approximately 16,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 100.

The "Montreal General" was founded in 1821; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Montreal Children's Hospital has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian

LLOYD G. STEVENSON

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.



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Librarian

W. W. FRANCIS

Assistant Librarian

LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 12,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works, and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 145 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body;
 - (2) To stimulate interest along medical lines;
 - (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior is open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

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McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1958-59

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, Dentistry, and Divinity may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

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Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees (see page 305).

L UNIVERSITY FEES

FULL TIME REGULAR	STUDENTS
(a) These fees	s include all the regular charges of the University for
rogistration	n, tuition, laboratories, libraries, graduation, health ser-
registration	ical education, sports, games and Students' Society Fees.
vice, phys	ical education, sports, games and Students Society rees.

vice, physical education, sports, games and students society	
Arts\$550.00	
Commerce 550.00	
Dentistry (laboratory equipment not included)	
Divinity (except regular candidates for ordination) 500.00	
Education (3rd and 4th years B.Ed. and B.Ed. (P.E.)) 550.00	
Engineering and Architecture (all years)	
Nursing (Degree and Diploma Courses)	
Law (First, Second, and Third years)	
Law (Fourth year)	
Library School (includes library visits)	
(Tuition \$450.00; Travel \$50.00)	
Medicine 750.00	
Music)
Physical and Occupational Therapy 500.00)
Science)
(b) The following inclusive fees provide for only limited participation in	1
physical education and sports, and do not include admission to games	
Graduate Studies (Excluding M.L.S.))
International Air Law)
Social Work. 500.00)
Master of Library Science—includes library visits. 500.00)
(Tuition \$450.00: Travel \$50.00)	
(Tultion \$100.00, Traver \$00.00)	
CONDITIONED STUDENTS	
Special fee for an additional course repeated or substituted by)
conditioned students (one full course or two half courses) \$ 10.00	
LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE	0
Per course—Arts	
" "—Commerce	
" —Science	
Per half course—Arts	
" " —Commerce	
" " —Science	U

Ololi. Personal be raid in two love by many releasing Harry	- "
PARTIAL STUDENTS Arts and other Free to Courses	~
Arts and other Faculties\$57.50	Courses
Commerce	\$115.00
Engineering, per hour of instruction per week, per term. 22.00	125.00
Information concerning the few seek, per term. 22.00	22.00
Information concerning the fees for partial students in other may be obtained from the Chief Accountant.	
The maximum fee charged for courses taken by partial students not exceed the published fee for full time regular students, but other cases, partial students are subject to the following addition	-A !11
(a) If taking three or more courses—	nai ices:
Athlotics	
Health Service \$15.00	
Health Service	
Students' Society *15.00	\$37.00
*(\$16.50 in Dentistry, \$17.00 in Engineering, \$18.00 in Law, and \$19.00 in Medicine)	
(b) If taking less than three courses—	
Crounds	
McGill Daily and McGill II	
	\$10.00
or, if desiring full Athletic and Health Service privileges—	
Athletics	
Health Service 7 00	
McGill Daily and McGill Union 5.00	\$27.00
PAYMENTS BY INSTALMENTS	W21.00
	ITE THE
Fees, including board and residence, may be paid in two insta one at the beginning of the session and one on the 15th of January	lments,
ing For this privilege the addition to fanuary	follow-
ing. For this privilege the additional fee (payable \$2.50 wit instalment) is	h each
	\$5.00
In special cases of hardship, application may be made to the Accountant for more extended terms of payment.	e Chief
II. SPECIAL FEES AND PENALTIES	
Late registration (first week) extra	5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (see pages 311 and 312)	5.00
Graduation in absentia	10.00
Duplicate Diploma	10.00
Certified copy of student s record	1.00
Additional copy (at same time)	.50
Duplicated copies of student's record (12 copies)	2.00
(== copico/++++++++++++++++++++++++++++++++++++	2.00
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William R. F.

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Re-reading examination paper	10.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	7.50
D+-1 of microscope (her term)	1.50
Rental of microscope (for the session)	12.00
McGill graduates and graduates of other Universities may University Library on payment of an annual fee of \$5.00.	use the
University Library on payment of the	

III. STUDENTS' SOCIETY FEES

University fees, listed on page 302, include an annual fee of \$15.00 (\$16.50 in Dentistry, \$17.00 in Engineering, \$18.00 in Law, and \$19.00 in Medicine) for the support of student organizations. Partial students taking three or more full courses are required to pay an additional fee, as set forth on page 303. The Dentistry fee includes \$1.50 for the Dental Review; Medical and Law fees include \$2.00 for the Medical and Law Journal respectively.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00. In Law the Undergraduate Society receives \$2.00; in Medicine and Engineering \$3.00.

The women's fee is distributed as follows: Women's Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$9.00; Undergraduate Society \$1.00.

The fee of students in the Faculty of Graduate Studies is distributed as follows: McGill Union or Women's Union \$3.50; McGill Daily \$1.50; Postgraduate Students' Society \$2.00.

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IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed under section (a) on page 302, and \$15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme.

REGULATIONS FOR PAYMENT OF FEES

- 1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late tee of \$2.00 is charged for payment after the specified dates, and no additional days of grace are allowed.
- 2. The university does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of \$5.00 is charged.

1st Instalment

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One half of the total fees plus \$2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus \$2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the late fee and the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

- 1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
- 2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
- 3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
- (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
- (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
- 4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
- 5. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

EXPENSES

It will be seen that each full time regular student pays annually an inclusive University Fee (see page 302). There are no other regular fees and the only extras are for late registration, for graduation in absentia, etc., as listed above. Consequently the expenses of a student may be estimated by adding this fee and the cost of board and lodging (see pages 306, 307, 309, 310). Books are necessarily a variable expense but probably \$60 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

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PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

Application submitted after July 1st for residence in Douglas Hall or Wilson Hall will not normally be considered. Residents are required to vacate their rooms within forty-eight hours of last examination or of graduation.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. The residence has accommodation for approximately 150 students. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

Bedding and towels are provided.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture:

First year	A (0 P . 0 .
Subsequent years	\$685.00
Subsequent years.	650.00
Arts, Science, Commerce, Law	685.00
Medicine and Dentistry (Fourth year)	720.00
Medicine and Dentistry (lower years)	750.00
Students shades 1 11	,00.00

Students sharing a double study-bedroom will be allowed a rebate of \$40.00 on the above fees.

WILSON MEMORIAL HALL

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Residence

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall. Bedding and towels are provided.

A House Fee of \$6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee. A further rebate of \$20.00 will be allowed in the case of a few of the less favourably situated rooms.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of \$3.50 per day.

Owing to limited accommodation, the normal time of residence in either Hall is restricted to four years, or the time required to obtain one McGill degree, whichever is shorter.

Any resident leaving the halls during the term will be held responsible for his room, until a replacement is found.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS

The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and it cannot answer correspondence.

The cost of board and lodging in approved rooms varies from \$70 to \$85 per month. Separately, board costs from \$65, and a room from \$35, upwards per month.

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Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 313 students. McLennan Hall, 3480 Ontario Avenue, formerly the home of Miss Isabella C. McLennan and donated by her to the University, provides additional accommodation for 26 students. Breakfast is served at the Hall and other meals at the Royal Victoria College.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, lounges, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extracurricular activities.

APPLICATION FOR RESIDENCE

(a) Out-of-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early, preferably by April 30th. (Students should not await the results of their matriculation examination before applying.)

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (see paragraph on Health, page 310).

Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

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There may be limited accommodation in the College, during the 1958-59 session, for Montreal students who may wish to live in residence during some part of their academic career. Information regarding this may be obtained from the Warden's Office of the Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science and Commerce are as follows:

First year—Thursday, September 11th.

Upper years-Monday and Tuesday, September 22nd and 23rd.

Residences will open for *First year students* on Tuesday, September 9th when the mid-day meal will be the first to be served; and for *upper years* on Sunday, September 21st.

Students cannot enter residence before the dates specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 48 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 279 single and 17 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

At McLennan Hall the rooms are large and accommodate two or three students each. Furnishings are similar to those described for the Royal Victoria College.

PATES

The charge for board and residence covering the period of the University Session (ARTS AND SCIENCE), exclusive of the Christmas holiday, is as follows:

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Students in faculties with longer sessions are charged extra according to the length of the session.

School of Physical and Occupational Therapy:

1st year— Single room	\$760.00 730.00	Single room Double room	\$800.00 770.00
School of Physical Educat	tion:		
3rd year—	\$800.00 770.00	4th year— Single room Double room	\$760.00 730.00
Nursing:		2nd year—	
1st year— Single room Double room	\$760.00 730.00	Single room Double room	
3rd y Sin Do	ear— gle room uble room	.\$800.00 . 770.00	

Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of \$4.00 per day.

A House Fee of \$10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes \$2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official

consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

RESIDENCE FOR GRADUATE WOMEN STUDENTS (McLennan Hall).

Application for residence from graduate women students will be considered should there be vacancies after all undergraduates have been accommodated. The following rates are for McLennan Hall and cover room and breakfast. Additional meals may be obtained at the Royal Victoria College Cafeteria at the regular prices.

RATES (Exclusive of the Christmas holiday)

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Course	Period	Multiple
Dentistry 1, 2, 3	Registration—End of Session	\$440
Dentistry 4	Registration—Convocation	415
Law 1, 2, 4	Registration—End of Session	350
Law 3	Registration—Convocation	380
Library School	Registration—Convocation	400
Medicine 1, 2, 3	Registration—End of Session	440
Medicine 4	Registration—Convocation	415
Social Work	Registration—End of Second	
	Term	420
Graduate Faculty	Registration—End of the Ex-	
	amination period.	365
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Additional periods will be charged at the following daily rates: Multiple, \$1.65.

HEALTH SERVICE (MEN AND WOMEN)

The objective of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. When necessary the patient will be referred to the physician or surgeon of his choice or to the public service of designated hospitals. The cost of such services is then the student's responsibility.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

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Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox. Students should be vaccinated before they come to the University. Failure to be vaccinated before a certain date in the term may result in the imposition of a fine of \$5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

UNIVERSITY MEDICAL EXAMINATIONS

The University requires all students (whether regular, limited or partial students, and whether undergraduate or graduate students) to present themselves for examination by the University Health Service as follows:

- (i) In his, or her, first year, as a member of any Faculty, every student must present himself, or herself, for general clinical examination and routine laboratory tests. Examinations are given by appointment with the Health Service. Students who fail to comply with this requirement by December 1st in any academic year will be subject to a fine of five dollars, and students who fail to comply with it by December 15th will be suspended from membership of the University. Students should note that, in cases in which they have met this requirement in one Faculty and enter another Faculty the following year they must present themselves for re-examination as members of the Faculty to which they have transferred.
- (ii) In each academic year during their membership of the University, other students must present themselves, at a date to be announced, for a chest x-ray examination. Examinations are given by appointment with the Health Service. Students who fail to comply with this requirement by a date to be announced, in any academic year, will be subject to a fine of five dollars; and students who fail to comply

with it by a final date will be suspended from membership of the University.

Participation in athletics is conditional upon the results of these examinations.

Provision is made, during the session, for the re-examination of any student who may seem to require it.

Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 517 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health Service, payment will be made for an amount up to one-half of all public ward rates in a designated general hospital up to a maximum of \$125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus except in certain areas which may be allotted for the purpose and then only after a permit has been obtained from the Students' Executive Council.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

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There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur

Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

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SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

COMPULSORY PHYSICAL EDUCATION

The University requires all students in the First year of the courses leading to the B.A., B.Sc., B.Com., B.Eng. degrees to take a course in Physical Education. There are a large number of activities and sports from which students may choose in order to satisfy this regulation. Details of the programme will be published at the time of registration.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. Students coming from the United States of America who are not citizens of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3416 McTavish Street, has a complete stock of books and materials recommended by the Staff, and a supply of microscopes, engineering instruments, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1958-59

1958

May 28th, Wednesday. Convocation.

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June 12th, Thursday. School Certificate Examinations begin.

June 14th, Saturday. Last day for receiving applications for M.A. course in Education.

June 26th, Thursday. French Summer School begins.

July 1st, Tuesday. Dominion Day.

July 2nd, Wednesday. Summer School in Education begins.

August 2nd, Saturday. Summer School in Education ends.

August 8th, Friday. French Summer School ends.

August 25th, Monday. Supplemental examinations begin in Arts, Science, Commerce, Engineering and Architecture, Third and Fourth years B.Ed., and B.Ed. (P.E.).

August 26th, Tuesday. Last day for filing Masters' theses for Autumn Convocation.

August 28th, Thursday. Registration of Graduate Nurse students in the First year in the School for Graduate Nurses.

September 1st, Monday. Labour Day.

September 2nd, Tuesday. Registration of students in Fourth year Medicine.

September 3rd, Wednesday. Lectures begin in Fourth year Medicine.

September 5th, Friday. Registration of students in all years of Dentistry.

Last day for receiving applications for admission to the Faculty of Graduate
Studies.

September 8th, Monday. Lectures begin in all years of Dentistry. Registration of Fourth year B.Sc.(H.Ec.) Teaching Option students. Registration of students in Third, Fourth and Fifth years School of Physical and Occupational Therapy. Homemakers register. Registration of all years Institute of Education. Second and Third year students report for Practice Teaching. Special and Supplemental Summer Schools for Engineering Drawing 511, 521 and 541 begin. Fall Survey School for Engineering begins. Architecture sketching school begins.

September 8th, Monday and September 9th, Tuesday. Students in First, Second and Third years Medicine register.

September 9th, Tuesday. Lectures begin in Third, Fourth and Fifth years of Physical and Occupational Therapy. Lectures in First year Education and in all diploma courses in Education begin.

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- September 10th, Wednesday. Lectures begin in First, Second and Third years Medicine. Registration of Second year (9.00-12.00) and all part-time students (1.00-4.00) in the School of Social Work.
- September 11th, Thursday. Registration of First year students in the School of Social Work. Registration of students in First year Arts (1.30-4.00), Science, and Commerce (9.00-12.00), Engineering, Basic Nursing and Physical and Occupational Therapy. Lectures begin in the Library School.
- September 12th, Friday. Freshman Welcome. General Assembly and reception of all students in the School of Social Work.
- September 15th, Monday. Instruction begins in the School of Social Work, Lectures begin in the First year of Arts, Science, Commerce, Engineering. Nursing and Physical and Occupational Therapy and the Faculty of Music. Supplemental examinations begin in the Faculty of Divinity.
- September 16th, Tuesday. Last day for reports on Masters' theses. Conservatorium of Music opens for both practical and theoretical work. Supplemental examinations begin in B.Sc.(Agr.) and B.Sc.(H.Ec.) courses. Registration of Second year B.Sc.(H.EC.) students and B.Sc.(Agr.) students taking Agricultural Engineering 439.
- September 17th, Wednesday. Registration of First year B.Sc.(Agr.), B.Sc. (H.Ec.), and Homemaker students.
- September 18th, Thursday to September 23rd, Tuesday, inc. Orientation work at Macdonald College.
- September 19th, Friday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research.
- September 22nd, Monday. 9.00 a.m.-4.00 p.m. registration of students in upper years of B.A., B.Sc., B.Com, whose names begin with the letters A-L. Registration of students in upper years of Engineering and Architecture. Late registration for First year students in Engineering. Registration of students in the Library School. Second year students in Physical and Occupational Therapy register. Registration of all students in Third and Fourth years B.Ed.

September 23rd, Tuesday. 9.00 a.m.-4.00 p.m. registration of students in upper years of B.A., B.Sc., B.Com. whose names begin with letters M-Z. Registration of all partial students in the Faculty of Arts and Science. Second year graduate nurse students register in the School for Graduate Nurses. Registration of Third and Fourth year students in Physical Education. Lectures begin in the Library School. Other students in B.Sc.(Agr.), B.Sc.(H.Ec.), Handicrafts and Advanced Diploma Course in Agriculture register.

September 23rd, Tuesday, and September 24th, Wednesday. Registration of Law and Divinity.

September 24th, Wednesday. Lectures begin in upper years of Arts, Science, Commerce, Engineering, Architecture, Second, Third and Fourth years B.Ed., Second year of the School of Physical and Occupational Therapy, and the School for Graduate Nurses, Agriculture, Household Science, Handicrafts and Advanced Diploma in Agriculture, and the Faculty of Graduate Studies and Research.

September 25th, Thursday. Lectures begin in Law and Divinity.

September 29th, Monday. Late registration for upper year students in Engineering.

October 6th, Monday. Founder's Day Convocation.

(James McGill, born October 6th, 1744, died December 19th, 1813).

October 13th, Monday. Thanksgiving Day. No lectures.

October 20th, Monday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.

October 26th, Sunday. University Divine Service.

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October 27th, Monday Registration and Supplemental examinations for Agriculture Diploma students.

October 28th, Tuesday. Lectures begin in Agriculture Diploma courses.

November 11th, Tuesday. Remembrance Day Service.

November 17th, Monday to November 28th, Friday, inc. First practice teaching period for First Class diploma students in the Institute of Education.

November 29th, Saturday, to December 13th, Saturday. Examinations in French and German for Ph.D. students.

December 16th, Tuesday. Last day of lectures in Arts, Science, Commerce, Engineering, Architecture, Education and Physical Education.

December 17th, Wednesday to December 22nd, Monday and January 5th, 1959, Monday, to January 7th, 1959, Wednesday. First term examinations in Arts, Science, Commerce, Engineering, Architecture, School for Graduate Nurses, Education and Physical Education.

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December 17th, Wednesday, to December 22nd, Monday. First term examinations in the Institute of Education.

December 19th, Friday. Last day of lectures in the Faculty of Divinity and of lectures and field work in the School of Social Work.

December 20th, Saturday. Last day of lectures in all other Faculties and Schools.

1959

January 5th, Monday. First term examinations begin in Agriculture, Household Science, and Divinity. Second term begins in Law, First and Second years B.Ed., and all diploma courses in Education, and Graduate Studies. Lectures resumed in Medicine, Dentistry, Music, the Library School, and Physical and Occupational therapy.

January 6th, Tuesday, to January 8th, Thursday. Examinations in the School of Social Work.

January 8th, Thursday. Second term begins in Arts, Science, Commerce, Third and Fourth years B.Ed., Engineering and Architecture, School for Graduate Nurses.

January 9th, Friday. Second term begins in the School of Social Work.

January 9th, Friday, to January 23rd, Friday. Practice teaching period.

January 12th, Monday. Second term begins in Agriculture, Household Science, and Divinity.

January 19th, Monday, to January 23rd, Friday. Examinations in the Library School.

January 26th, Monday. Second term begins in the Library School.

February 10th, Tuesday. Founder's Day at Macdonald College. (Sir William Macdonald, born February 10th, 1831, died June 9th, 1917).

February 19th, Thursday. Macdonald Royal.

February 20th, Friday, to February 21st, Saturday. Mid-term weekend holiday.

March 14th, Saturday. Last day of lectures in Agriculture Diploma courses.

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March 17th, Tuesday. Final examinations begin in Agriculture Diploma courses. Supplemental examinations in B.Sc.(Agr.) and B.Sc.(H.Ec.) courses.

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- March 25th, Wednesday. Graduation exercises, Diploma courses in Agriculture.
- March 27th, Friday, to March 30th, Monday, inc. Easter vacation in all Faculties and Schools.
- April 6th, Monday, to April 17th, Friday. Practice teaching period, Institute of Education.
- April 11th, Saturday. Lectures end in Divinity and in upper years of Engineering and Architecture.
- April 13th, Monday. Examinations begin in the upper years of Engineering and Architecture. Last day for filing Ph.D. theses.
- April 17th, Friday. Last day of lectures in the School of Social Work.
- April 18th, Saturday. Lectures end in First year Engineering, in Second, Third and Fourth years B.Ed., and in all other Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.
- April 19th, Sunday. 3.00 p.m. Baccalaureate Service at Macdonald College.
- April 21st, Tuesday. Last day for filing theses for Masters' degrees in Graduate Faculty and in the School of Social Work.
- April 22nd, Wednesday. Examinations begin in Arts, Science, Commerce, First year Engineering, Second, Third and Fourth years B.Ed., all years Law, Divinity, Agriculture, Household Science, the School for Graduate Nurses, and the School of Physical and Occupational Therapy.
- April 22nd, Wednesday, to April 24th, Friday. Examinations in the School of Social Work.
- April 24th, Friday. Examinations begin in Music.
- April 25th, Saturday. Instruction terminates in Conservatorium of Music.
- April 27th, Monday. Spring Survey School for Engineering begins.
- April 28th, Tuesday. Full time field work (First year) and full time research (Second year) begin in the School of Social Work.
- May 1st, Friday. Last day for application for the majority of Graduate Fellowships. Last day of lectures in Music.
- May 4th, Monday. Last day for reports on Ph.D. theses. Practice teaching Second and Third years B.Ed. begins.

May 4th, Monday, to May 15th, Friday. Final orals for Ph.D.

May 8th, Friday. Lectures end in the Library School.

May 11th, Monday. Practice Teaching for Fourth year B.Ed. begins.

May 13th, Wednesday. Final examinations begin for Homemakers.

May 13th, Wednesday, to May 20th, Wednesday. Examinations in the Library School.

May 14th, Thursday. Last day for reports on Masters' theses.

May 16th, Saturday. Lectures end First year B.Ed. and Diploma courses in Education.

May 20th, Wednesday. Second term examinations begin in the Institute of Education.

May 29th, Friday. Convocation.

May 31st, Sunday. Divine Service, Institute of Education, Handicrafts courses, and Homemaker class of the School of Household Science.

June 1st, Monday, to June 16th, Tuesday. Examinations in First, Second and Third years Medicine.

June 4th, Thursday. Graduation exercises, Institute of Education, Handicrafts courses, and Homemaker class of the School of Household Science.

June 5th, Friday. Second term ends in the School of Social Work.

August 25th, Tuesday. Last day for filing theses in School of Social Work (for Autumn Convocation).

McGill University



Montreal

Faculty of Medicine

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine (Undergraduate courses)

Faculty of Medicine (Postgraduate courses)

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

Institute of Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, and School of Household Science)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. Principal David L. Thomson, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C. Vice-Principal LLOYD G. STEVENSON, B.A., M.D., Ph.D. Dean of the Faculty S. M. Banfill, B.A., M.D., C.M. Secretary of the Faculty Colin M. McDougall, D.S.O., B.A. Registrar G. A. Grimson, B.Com. Comptroller Richard Pennington, B.A., Lib.Dip. University Librarian W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M. Osler Librarian

Special Announcements are available for the School of Physical and Occupational Therapy, and the School for Graduate Nurses.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Street, James, Cheveller de la Légion d'Honner, B.Cong., Mill., Etc.D.

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N. BANHARA BAN, NI (V. CINI

IN M. McDougatt, D.S.O., B.A.

.Д. Сигизон, В.Сот.

CHARD PENHINGTON, B.A., Lib. Dip.

W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M., Giler Schoors

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MEDICAL LIBRARY, Medic University, MONTHER, Canada

Faculty of Medicine

The one hundred and twenty-sixth session of the Faculty will open on September 3rd, 1958 for final year students and on September 10th for students of other years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required: Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.
- 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students entering the 1st, 2nd and 3rd years in the Faculty of Medicine will register at the Registrar's Office on Monday, September 8th or Tuesday, September 9th, 1958. Students entering their final year will register on Tuesday September 2nd, 1958. Those who register late will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1.	DEGGE	The state of the s
I.	REGULAR	STUDENTS

Annual fee (including Students' Society and Medical Students' Journal fees)		\$750.00	
Students in the Fourth year also pay for meals at the		ega file	
Royal Victoria Montreal Maternity Hospital If paid in two instalments:		\$ 5.00	
First year only —			
First instalment, on registration	375.00		
Instalment fee	2.50		
	377.50		
Less half deposit	25.00	\$352.50	
Second instalment, January 15th	ecolitic	\$352.50	
Second and Third years, each instalment		\$377.50	
Fourth year, each instalment		\$380.00	

- 2. REPEATING STUDENTS

 Students repeating a year pay full fees.
- 4. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES
 The fee for the course leading to this diploma is \$100.00 for those already holding the D.P.H. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 2nd to Thursday, September 11th, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

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one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore. four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medical Jurisprudence and Toxicology, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Neurology and Neuro-Surgery, History of Medicine.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

The examinations in Medicine and Surgery at the conclusion of the Third Session are ranked as major examinations, even though they are not the final examinations in these subjects.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations. A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

6. He must also have attended during two terms the practi SNIDARD At the conclusion of each course, students are graded in five groups as rebut south teams based A = Excellent | team as different

solstones are near soul ton to B = Good and bug, soull are asset to notice

C=Fair

D = Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations. movinces may be obtained from the Registrars of the Provincial Medical

REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

- 1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
- 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608.)
 - 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
 - 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
- 5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

- 6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q. Ontario—Dr. H. McPhedran, 174 St. George St., Toronto 5, Ont.

NEW BRUNSWICK-Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. M. R. Macdonald, Victoria General Hospital, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. R. G. Lea, 170 Fitzroy St., Charlottetown, P.E.I.

Manitoba—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

Saskatchewan—Dr. G. N. Peacock, 415 Birks Bldg., Saskatoon, Sask.
British Columbia—Dr. Lynn Gunn, 1807 West 10th Avenue,
Vancouver 9, B.C.

NEWFOUNDLAND-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 77 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor R. G. B. GILBERT, Chairman

Wellcome Research Professor J. G. Robson

Assistant Professors

W. G. CULLEN H. T. DAVENPORT R. S. FERGUSON ALAN B. NOBLE

Lecturers

P. R. BROMAGE GLADYS ELLISON J. J. KELLY P. E. O'SHAUGHNESSY

Demonstrators

D. GILLIES E. W. LARKING D. I. L. MACWATT R. A. MILLAR A. N. MUNGALL D. J. POWER C. A. SHERIDAN

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown which is followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecturedemonstrations.

DEPARTMENT OF ANATOMY

Professors	C. P. LEBLOND, Chairman C. P. MARTIN
Associate Professors	S. M. BANFILL J. LANGMAN
Assistant Professor	Y. CLERMONT
	L. Heller I. Smart E. W. Workman
Research Associate	H. ISLER
Teaching Fellows	W. Kent N. J. Nadler

REQUIRED COURSES

1. GROSS ANATOMY

Four hours lectures and eight hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year. This course includes Surface and Radiological Anatomy.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: T. B. Johnston and J. Whillis, Gray's Anatomy, 31st ed. (Longmans 1954) or J. C. Brash, Cunningham's Text-Book of Anatomy 9th ed. (Oxford 1951).

Practical Manual: J. T. Aitken et al., A Manual of Human Anatomy, 5 vols. (Livingstone 1956).

Surface Anatomy: A. B. Appleton et al., Surface and Radiological Anatomy, 3rd ed. (Heffer 1949).

Optional Texts: J. E. Frazer, Anatomy of the Human Skeleton, 4th ed. (Churchill 1940); J. C. B. Grant, An Atlas of Anatomy, 4th ed. (Williams and Wilkins 1956); J. C. B. Grant, A Method of Anatomy, 5th ed. (Williams and Wilkins 1952); E. B. Jamieson, Illustrations of Regional Anatomy, 7th ed. (Livingstone 1947); T. B. Johnston, A Synopsis of

Regional Anatomy, 8th ed. (Churchill 1957); A. Lee McGregor, Synopsis of Surgical Anatomy, 7th ed. (Wright 1950); S. W. Ranson and S. L. Clark, Anatomy of the Nervous System, 9th ed. (Saunders 1953).

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two or three hours lectures and six or nine hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: A. W. Ham, Histology, 3rd ed. (Lippincott 1957); A. A. Maximow and W. Bloom, A Textbook of Histology, 7th ed. (Saunders 1957); P. E. Smith and W. M. Coperhaver, Bailey's Textbook of Histology, 13th ed. (Williams and Wilkins 1953).

Additional Reading: E. V. Cowdry, A Textbook of Histology, 4th ed. (Lea and Febiger 1950); E. D. P. DeRobertis, W. W. Nowinski and F. A. Saenz, General Cytology, 2nd ed. (Saunders 1954); R. O. Greep, Histology (Blakiston 1954).

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

- (a) A seminar on biological problems—1 hour per week.
- (b) A practical course on the planning of biological experiments, laboratory animal management and operations, histological and histometrical techniques, tracing methods (Radioisotope measurement

by Geiger counter and localization in tissue section by radioautography), microphotography, statistical methods for assessing data, etc. One hour lecture and 2 hours laboratory per week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during the second half of the first medical year. Topics emphasized are: early stages of development; the cardio-vascular, respiratory, gastro-intestinal, uro-genital and nervous system; and the fetal membranes. Laboratory work consists of studying selected sections of the 10 mm.

pig, a set of models placed on demonstration each week, and a demonstration of live material.

Textbooks: L. B. Arey, Developmental Anatomy, 6th ed. (Saunders 1954);

W. J. Hamilton et al., Human Embryology, 2nd ed. (Heffer 1952); Section

on Embryology in Cunningham's Textbook of Anatomy. See page 1; Section of Embryology in Gray's Anatomy. See page 1.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor

Associate Professors

G. G. KALZ
J. W. STEVENSON

Assistant Professors

FRITZ BLANK
C. A. BUTAS
GRACE GIRVIN
K. F. GIRARD
C. D. KELLY
A. M. MASSON
Lecturers

J. A. De Vries
E. Mankiewicz
B. H. Matheson
O. Morgante
F. H. Prissick
Raissa Siloy

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

21. MEDICAL BACTERIOLOGY AND IMMUNOLOGY

This course deals with the general principles of medical bacteriology and immunology. The lectures are concerned with the structure and physiology of bacteria, theories of infection and immunity and a systematic

study of the pathogenic bacteria, viruses and rickettsiae. Laboratory work provides experience in the cultivation, isolation and identification of bacteria and opportunity to observe their physiological and immunological properties.

Lectures and laboratory work during the first two trimesters of the Second year.

Textbooks: Wm. Burrows, Textbook of Microbiology, 16th ed. (Saunders 1954); Ernest Jawetz et al., Review of Medical Microbiology, 2nd ed. (Lange 1956); D. T. Smith et al., Zinsser's Bacteriology, 11th ed. (Appleton 1957).

References: R. J. Dubos, Bacterial and Mycotic Infections of Man, 3rd ed. (Lippincott 1958); Sidney Raffel, Immunity (Appleton 1953); A. J. Rhodes and C. E. Van Rooyen, Textbook of Virology, 3rd ed. (Williams and Wilkins 1958); T. M. Rivers, Viral and Rickettsial Infections of Man, 3rd ed. (Lippincott 1958).

42. ADVANCED MICROBIOLOGY

42b. IMMUNOLOGY

44. BACTERIOLOGY READING COURSE AND THESIS

OTHER COURSES

The Department offers facilities for undergraduate and graduate training. See the announcements of the Faculty of Arts and Science and of the Faculty of Graduate Studies and Research.

DEPARTMENT OF BIOCHEMISTRY

Professors

D. L. Thomson, Chairman
J. H. Quastel

Associate Professors

E. H. Creamer
O. F. Denstedt
K. A. C. Elliott

Assistant Professors

M. Saffran

P. G. Scholefield T. L. Sourkes

Sessional Lecturers

Esau Hosein Margaret Purvis

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professor Thomson

Textbooks: J. S. Fruton and Sofia Simmonds, General Biochemistry, 3rd ed. (Wiley, 1958); H. A. Harper, Review of Physiological Chemistry, 5th ed. (Lange, 1955). A mimeographed syllabus of the laboratory course is issued by the Department.

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor

R. P. VIVIAN, Chairman

Associate Professors

D. S. FLEMING C. W. MACMILLAN

Assistant Professors

MARIAN BAIN MARGARET E. NIX

H. E. BURKE I. E. DE BELLE F. M. JONES H. G. Ross W. STORRAR MILTON G. TOWNSEND J. G. TURNER

Demonstrators

A. STEWART ALLEN EDITH M. MANKIEWICZ

FREDERICK WIENER

The Department provides two courses for undergraduates in the Faculty of Medicine-Public Health and Preventive Medicine, and Medical Ethics and Jurisprudence.

The course in Public Health and Preventive Medicine is begun in the autumn term of the Second year and contains, for each student, 40 lectures of 1 hour each and 11 demonstrations or field trips or practice sessions of $2\frac{1}{2}$ hours each, a total time of $67\frac{1}{2}$ hours.

The lectures deal with Epidemiology as a medical science and with the application of epidemiological principles to the study of disease causation and behaviour. Special emphasis is placed upon the influence of the environment upon health. Nutrition is also dealt with as a problem of ecology. Medical Statistics, including Vital Statistics, deals with census and estimated populations, registration, definition and computation of rates, and with statistical methods and techniques most frequently used in medical work.

Industrial Toxicology. Four lectures on (a) dusts, fumes, smokes, mists, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

Field trips, demonstrations and practice sessions pertinent to the lecture material are arranged which include visits to a water plant and a provincial laboratory; a discussion period on vital statistics; and audio-visual demonstrations on milk and other foods. Four sessions are held in health education and 3 practice sessions in medical statistics are provided.

A minor examination is held at the end of the Second year.

The second part of the course in Public Health and Preventive Medicine is given in the Third year. This part contains 12 lectures given to the class as a whole at weekly intervals during the autumn term and 24 morning sessions of $2\frac{1}{2}$ hours each, in each of the six week concentration periods provided in the curriculum. The total time for each student in the Third year is 72 hours.

The lectures deal with the prevention and control of tuberculosis, industrial health services, exotic diseases, the principles of education and medical economics.

The concentration periods are designed to provide an outline of the organization and activities of public health services in Canada and the operation of local or municipal public health programs, together with didactic material on the etiology, epidemiology and control of specific infectious diseases with demonstration and practice in the use of immunizing agents. The concentration periods also contain the presentation of didactic material on health supervision policies for particular groups in the community with demonstration and discussion. One session is held on hospital-interne relationships.

A final examination is held at the end of the Third year.

Text and Reference Books: H. R. Leavell and E. G. Clark, Preventive Medicine for the Doctor in his Community, 2nd ed. (McGraw-Hill 1958); H. S. Mustard, Introduction to Public Health, 3rd ed. N.Y. (Macmillan 1953); M. J. Rosenau, Preventive Medicine and Public Health, ed. by K. F. Maxcy, 8th ed. (Appleton 1956).

MEDICAL ETHICS AND JURISPRUDENCE

The course in Medical Ethics and Jurisprudence consists of some 12 lectures, given to the class as a whole, in the spring term of the Second year.

MEDICAL ETHICS AND JURISPRUDENCE

Twelve lectures on (a) legal status of physicians (b) obligation of the doctor to the state (c) professional secrecy—privileged communications (d) responsibility to the patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Texts and Reference Books: i. General: R. J. M. Buchanan, Textbook of Forensic Medicine and Toxicology, 9th ed. (Livingstone 1925); John Glaister, Medical Jurisprudence and Toxicology, 9th ed. (Williams and Wilkins 1953); T. A. Gonzales et al., Legal Medicine, 2nd ed. (Appleton 1954); D. J. A. Kerr, Forensic Medicine, 5th ed. (Black 1954); H. H. Littlejohn, Forensic Medicine (Churchill 1925); R. H. Long, The Physician and the Law (Appleton 1955); W. D. McNally, Toxicology, Chic., (Indus. Medicine 1937); Sydney Smith and F. S. Fiddes, Forensic Medicine, 10th ed. (Churchill 1955); Sydney Smith and John Glaister, Recent Advances in Forensic Medicine, 2nd ed. (Churchill 1939); A. S. Taylor, Principles and Practice of Medical Jurisprudence, vol. 1, ed. by Sydney Smith, 11th ed. (Churchill 1956).

ii. Industrial Toxicology: Ethel Browning, Toxicity of Industrial Organic Solvents, 2nd ed. (H.M.S.O. 1953) (G.B. Med. Res. Counc. Indus. Health Res. Bd. Rept. no. 80); Yandell Henderson and H. W. Haggard, Noxious gases, 2nd ed. (Reinhold 1953); Donald Hunter, Industrial Toxicology (Oxford 1944).

HISTORY OF MEDICINE

Professor

LLOYD G. STEVENSON

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

A series of 8 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).

A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor

J. S. L. BROWNE, Chairman

Lecturers

INGE DYRENFURTH
C. J. P. GIROUD
N. KALANT

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals. The Department is also prepared to make arrangements to offer elective courses for Medical undergraduate students.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable. For the list of courses and further details see the Calendar of the Faculty of Graduate Studies and Research.

DEPARTMENT OF MEDICINE

Professors

RONALD V. CHRISTIE, Chairman

D. G. CAMERON

Associate Professors

D. V. BATES

I. C. BECK

E. H. BENSLEY

NEIL FEENEY

C. W. FULLERTON

W. H. P. HILL

M. M. HOFFMANN

J. G. HOWLETT

Louis Lowenstein

J. F. McIntosh

H. S. MITCHELL

BRAM ROSE

Assistant Professors

L. I. ADAMS W. BAULD R. C. BENNETTS F. M. BOURNE H. E. BURKE G. A. COPPING G. W. HALPENNY L. G. JOHNSON W. R. KENNEDY

K. R. MACKENZIE J. F. MEAKINS IAN MILNE C. I. PATTEE H. N. SEGALL F. M. SMITH А. Т. Тном S. R. TOWNSEND R. V. WARD

Lecturers

MICHAEL ARONOVITCH C. M. BALLEM C. S. BARKER R. G. BAXTER J. O. W. BRABANDER LAUDER BRUNTON R. A. CLEGHORN H. I. CRAMER P. A. EDWARDS A. F. FOWLER ALLEN GOLD ALEC GORDON R. G. M. HARBERT CICIL HARRIS A. W. LAPIN W. LEITH

B. A. LEVITAN A. D. MACDONALD D. J. MACINTOSH LESTER McCallum ELEANOR McGARRY R. D. McKenna C. J. MALLOY J. A. P. PARE R. E. G. PLACE J. S. Polson T. L. QUINTIN E. A. S. REID LORNE SHAPIRO MURRAY STALKER P. G. WEIL G. E. WIGHT

Demonstrators

DAVID BARZA LLOYD CASWELL JOHN MARTIN PARKER CHESNEY ALEXANDER MILLER WILLIAM COHEN R. O. MORGEN S. R. COOPER MYRON NOTKIN BASIL CUDDIHY BERNARD POLLAK J. H. Darragh Jack H. Rubin N. M. K. DELEEUW J. B. Dossetor S. EIDINGER T. R. HALE G. E. JORON W. A. R. LAING

EVA ARENDT C. C. MACDONALD MELVIN McQUITTY T. A. Brown D. M. Marcus C. H. STACEY R. L. STANFORD DAVID STUBINGTON JOSEPH WENER D. H. WOODHOUSE J. G. G. Young

THERAPEUTICS

Associate Professors

C. W. FULLERTON

I. G. HOWLETT

Lecturers

G. H. Fisk B. A. LEVITAN A. MILLER

DERMATOLOGY

Associate Professors

L. P. EREAUX R. R. FORSEY

Assistant Professors

G. E. CRAIG FREDERICK KALZ B. D. USHER

Demonstrators

M. S. COHEN PAULA SCHOPFLOCHER P. P. TELNER

EXPERIMENTAL MEDICINE

Associate Professor ELEANOR H. VENNING

Assistant Professor

A. SEHON

N.B. See Postgraduate Faculty Calendar.

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory-thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3-LABORATORY DIAGNOSIS

Time-Last term of Second year.

Place-Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. Professor McIntosh and Assistants

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time-Twice weekly during the medical term.

Place-The Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time-Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-

Time—Weekly during the medical term

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place-The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time—Once a week during the medical term.

Place-The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time-One period a week throughout the year.

Place-Medical Building.

Subject-Lectures in General Medicine to give a panorama of the subject.

course IV 15—A course of 14 lectures in dermatology and syphilology Place—Medical Building.

COURSE IV 16—DERMATOLOGY AND SYPHILOLOGY—PRACTICAL INSTRUCTION

Time—Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18—CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place—Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: R. C. Cabot and F. D. Adams, Physical Diagnosis, 13th ed. (Wood 1942); R. B. H. Gradwohl, Clinical Laboratory Methods and Diagnosis, 5th ed. (Mosby 1956); T. H. Ham, ed., A Syllabus of Laboratory Examination in Clinical Diagnosis (Harvard Univ. Pr. 1952); Robt. Hutchison and Donald Hunter, Clinical Methods, 12th ed. (Lippincott 1949); S. S. Leopold, The Principles and Methods of Physical Diagnosis, 2nd ed. (Saunders 1957); McGill University, Dept. of Medicine, Guide to Medical Case Reporting, 2nd ed., 1943; R. H. Major and M. H. Delp, Physical Diagnosis, 5th ed. (Saunders 1956); J. C. Todd et al., Clinical Diagnosis by Laboratory Methods, 12th ed. (Saunders 1953); Harry Walker, Physical Diagnosis (Mosby 1952).

Physio-Pathology: C. H. Best and N. B. Taylor. The Physiological Basis of Medicine, 6th ed. (Williams and Wilkins 1955); Meyer Bodansky and Oscar Bodansky, Biochemistry of Disease, 2nd ed. N.Y. (Macmillan 1952); Abraham Cantarow and Max. Trumper, Clinical Biochemistry, 5th ed. (Saunders 1955); C. H. Gray, Clinical Chemical Pathology (Williams and Wilkins 1953); J. P. Peters and D. D. Van Slyke, Quantitative Clinical Chemistry, vol. 1: Interpretations, 2nd ed. (Williams and Wilkins 1946); W. A. Sodeman, Pathologic Physiology, 2nd ed. (Saunders 1956); Samson Wright, Applied Physiology, 9th ed. (Oxford 1952).

General Medicine: R. L. Cecil and R. F. Loeb, Textbook of Medicine, 9th ed. (Saunders 1955); J. J. Conybeare and W. N. Mann, Textbook of Medicine, 12th ed. (Livingstone 1957); T. R. Harrison, Principles of Internal Medicine, 2nd ed. (Blakiston 1954); J. C. Meakins, Practice of Medicine, 5th ed. (Mosby 1956); W. M. Yater, Fundamentals of Internal Medicine, 4th ed. (Appleton 1954).

Differential Diagnosis: W. M. Barton and W. M. Yater, Symptom Diagnosis, 4th ed. (Appleton 1942); T. D. Savill, System of Clinical Medicine, 12th ed. (Williams and Wilkins 1944).

Dermatology and Syphilology: R. W. MacKenna, Diseases of the Skin by R. M. B. MacKenna, 5th ed. (Williams and Wilkins 1952); Norman Tobias, Essentials of Dermatology, 5th ed. (Lippincott 1956); Norman Walker and G. H. Percival, Introduction to Dermatology, 12th ed. (Livingstone 1956).

Miscellaneous Reference Books: G. G. Duncan, Diseases of Metabolism, 3rd ed. (Saunders 1952); C. K. Friedberg, Diseases of the Heart, 2nd ed. (Saunders 1956); E. P. Joslin, Diabetic Manual for the Doctor and Patient, 9th ed. (Lea and Febiger 1953); J. S. McLester and W. J. Darby, Nutrition and Diet in Health and Disease, 7th ed. (Saunders 1958); O. S. Ormsby and Hamilton Montgomery, Diseases of the Skin, 8th ed. (Lea and Febiger 1954); E. H. Rubin, Diseases of the Chest (Saunders 1947); Samuel Soskin, Progress in Clinical Endocrinology (Grune 1950); R. L. Sutton and R. L. Sutton, Diseases of the Skin, 11th ed. (Mosby 1956); H. B. Taussig, Congenital Malformations of the Heart (Oxford 1948); L. E. H. Whitby and C. J. C. Britton, Disorders of the Blood, 7th ed. (Churchill 1953); M. M. Wintrobe, Clinical Hematology, 4th ed. (Lea and Febiger 1956).

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DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman	WILDER PENFIELD
Professor of Neurology and Neurosurgery	THEODORE RASMUSSEN
Professor of Neurosurgery	WILLIAM CONE
Professor of Experimental Neurology	HERBERT JASPER
Associate Professor of Neurology	Francis McNaughton
Associate Professor of Experimental Neurology	K. A. C. ELLIOTT
Associate Professor of Neurological Radiology	DONALD MCRAE
Assistant Professors of Neurology	J. B. R. Cosgrove D. L. Lloyd Smith Preston Robb W. F. T. Tatlow A. W. Young
Assistant Professors of Neurosurgery	HAROLD ELLIOTT ARTHUR ELVIDGE
Assistant Professor of Experimental Neurology	PIERRE GLOOR
Lecturers in Neurology	BERNARD GRAHAM D. E. HOWELL REUBEN RABINOVITCH
Lecturers in Neurosurgery	GILLES BERTRAND LAMAR ROBERTS
Lecturer in Experimental Neurology	HANNA PAPPIUS
Lecturer in Clinical Psychology	BRENDA MILNER
Demonstrator in Neurology	IRVING HELLER

Demonstrators in Neurosurgery

RANKIN HAY WARREN SIGHTS GORDON THOMPSON

Demonstrator in Neuropathology

Demonstrator in Electroencephalography

Lewis Henderson

Fellows of the Montreal Neurological Institute:

J. ANTONIO AGUILAR MARY JANE AGUILAR FREDERICK ANDERMANN EMIL BERGER DAVID BLOOM JOHN BLUNDELL CHARLES BRANCH WILLIAM A. BRYANS MARY JANE FINA ARMAND FORTIN SHIRLEY FYLES DANIEL GONZALEZ SALVATOR GONZALEZ D. R. GULATI IAN GYBELS GABRIEL HORN A. MAXWELL HOUSE

KENNETH KAPPHAHN ELLIS B. KEENER IOHN C. KENNADY KATSUTASHI KITAMURA RICHARD LENDE MARY MORROW ALLAN MORTON ENRIQUE RAMON MOLINER PHANOR L. PEROT SITESHENDRA NATH RAY HUGH SAMSON ANTONE TARAZI GORDON THOMPSON DANICA VANECEK CRISTIAN VERA SHINJIRO YAMAMOTO

SECOND YEAR

2A ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Professors McNaughton, Burns and Jasper

- 2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 2 lectures. Department of Medicine, Course II, 1. Professor Rasmussen
- 2C NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. M.G.H. Department of Medicine. Dr. Tatlow

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays, 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Rasmussen, McNaughton and staff

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone, Robb and staff

- 4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday and Thursday*, 2:00 to 3:00. Professor McNaughton and Assistants
- 4C-1 NEUROLOGY WARD CLASSES. Wednesdays, 8:45 to 9:45 a.m. M.N.I. (R.V.H. group)

 Professor McNaughton and Assistants
- 4B-2 CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Mondays and Fridays, 2:00 to 3:00.

 Dr. Tatlow and Assistants
- 4D-1 NEUROSURGERY WARD CLASSES. M.N.I. (R.V.H. group) Mondays, 1:00 to 2:00.

 Professor Cone and Assistants
- 4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group) Thursdays, 1:00 to 2:00.

 Professor Elvidge and Assistants
- 4E-1 NEUROLOGY SEMINAR. Wednesdays, 2:00 to 3:00. M.N.I. (M.G.H. group)

 Professor McNaughton and Assistants
- 4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00 to 4:00. (M.G.H. group)

 Dr. Tatlow and Assistants

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting.

ELECTIVE COURSES

A. SEMINAR IN NEUROANATOMY, M.N.I.

 This course in given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"—September to end of November.

Additional graduate seminars will be held co-ordinated with Course B. Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing, and to act as demonstrators.

Professor McNaughton

2. Advanced Neuroanatomy for selected group; brain modelling; times to be arranged. Professor McNaughton

B. SEMINAR IN NEUROPHYSIOLOGY.

This course is given in two parts, (1) lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the Central Nervous System" and (2) weekly seminars and demonstrations co-ordinated with Course A (4 months, beginning in December). Mondays, 4:30 to 6:00 p.m.

Professor Jasper

^{*}Two Thursdays per month only.

- C. COLLOQUIUM IN CLINICAL NEUROLOGY.

 1 hour weekly, clinics and lectures, Wednesdays, 5:00 p.m. M.N.I.

 (9 months).

 Staff and Visiting Lecturers
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL ELECTRO-ENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE. M.N.I. 1½ hours weekly (9 months). Tuesdays, 4:30 to 6:00 p.m. Professors Penfield, Rasmussen, Jasper, McNaughton and McRae
- E. OUTLINE OF NEUROCHEMISTRY.

 Lectures and demonstrations, M.N.I. (2 months, beginning in April).

 Mondays, 4:30 to 6:00 p.m.

 Professor Elliott

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor

G. B. MAUGHAN, Chairman

Associate Professor

C. V. WARD

Assistant Professors

W. R. FOOTE
J. P. A. LATOUR
K. T. MACFARLANE
THOMAS PRIMROSE
G. A. SIMPSON
D. W. SPARLING
G. J. STREAN

Lecturers

Myer Hendelman J. L. Macarthur J. H. ROUTLEDGE F. J. TWEEDIE

Demonstrators

P. R. BLAHEY
H. B. BOURNE
J. R. DODDS
GRADE DONNELLY
SIMON GOLD

J. S. Henry E. A. MacCallum Harry Oxorn Joseph Portnuff M. H. V. Young

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of five, during this period. Individual instruction is given by the Staff.

REQUIRED COURSES

SECOND YEAR-

Twelve lectures are given as an introduction to the subject. These lectures are on the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

THIRD YEAR-

Professor Maughan

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium.

 Senior members of the Staff
- 2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Members of Staff
- 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Members of Staff
- 4. Six seminars on principles and theory of obstetrics. Members of Staff
- 5. Six classes to demonstrate the care of the newborn.

Professor Aubrey K. Geddes and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases.

 Professor Ward and Assistants
- 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological disorders.

 Professor Ward and Assistants

FOURTH YEAR-

OBSTETRICS

- 1. Thirty-four clinical demonstrations to illustrate the management of obstetrical complications.

 Professor Maughan
- 2. Group ward rounds once a week to present the current interesting cases.

 Professor Maughan and Dr. Primrose
- 3. Twenty-four hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

Members of the Staff

5. Four hours of Manikin instruction.

Members of the Staff

6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries.

Professor A. K. Geddes and Assistants

GYNAECOLOGY

- 1. Twelve bedside clinics to be given in the gynaecology wards.

 Senior members of the Staff
- 2. Eight lecture-demonstrations in Gynaecological Pathology.

 Dr. Latour and Assistants
- 3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer.

 Dr. Latour
- 4. Facilities are extended for attending sixteen gynaecology outpatient clinics.

 Members of the Staff
- 5. Four revision seminars on Clinical Endocrinology.

Members of the Staff

R. B. RAMSAY

Obstetrics Text and Reference Books: A. C. Beck and A. H. Rosenthal, Obstetrical Practice, 6th ed. (Williams and Wilkins 1955); J. B. De Lee, and J. P. Greenhill, Obstetrics, 11th ed. (Saunders 1955); G. F. Gibberd, A Short Textbook of Midwifery, 6th ed. (Churchill 1955); J. W. Williams, and N. J. Eastman, Obstetrics, 11th ed. (Appleton 1956).

Gynaecology Text and Reference Books: A. H. Curtis and J. W. Huffman, Textbook of Gynecology, 6th ed. (Saunders 1950); Diseases of Women by Ten Teachers, ed. by R. W. Roques, 9th ed. (Williams and Wilkins 1953); Emil Novak and E. R. Novak, Textbook of Gynecology, 5th ed. (Williams and Wilkins 1956); Wilfred Shaw and John Howkins, Textbook of Gynaecology, 7th ed. (Churchill 1956).

DEPARTMENT OF OPHTHALMOLOGY

Professor	JOHN C. LOCKE, Chairman
Associate Professor	BENJAMIN ALEXANDER
Assistant Professors	J. V. V. NICHOLLS R. J. VIGER
Lecturers	S. T. Adams L. S. S. Kirschberg William Turnbull
Demonstrators	R. A. BOURNE J. B. CONROY HUGH DUNCAN SEAN B. MURPHY
	R. W. PEARMAN

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2. LECTURES TO ENTIRE CLASS

This course covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year. Eleven hours.

Medical course bictimes are used as a supplement to the FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of seven, each group receiving twenty hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: S. R. Gifford and F. H. Adler, Textbook of Ophthalmology, 6th ed. (Saunders 1957); May and Worth's Manual of Diseases of the Eye, 11th ed. (Bailliere 1954); Eugene Wolff, Anatomy of the Eye and Orbit (Blakiston 1954); Eugene Wolff, Pathology of the Eye, 2nd ed. (Blakiston 1945).

Reference Books: W. S. Duke-Elder, Textbook of Ophthalmology (Mosby 1932-54) 7 vols.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor

W. J. McNally, Chairman

Assistant Professor

E. E. SCHARFE

Lecturers

H. E. McHugh F. W. SHAVER

E. A. STUART

Demonstrators J. D. BAXTER ARNOLD GROSSMAN biesett tot fire has etsupelts out slamis if R. W. Hyde

G. T. SHIMO E. JOHN SMITH

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

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Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: H. C. Ballenger and J. J. Ballenger, A Manual of Otology, Rhinology and Laryngology, 4th ed. (Lea and Febiger 1954); L. R. Boies, Fundamentals of Otolaryngology, 2nd ed. (Saunders 1954); Chevalier Jackson and C. L. Jackson, Bronchoesophagology (Saunders 1950); Chevalier Jackson and C. L. Jackson, Diseases of the Nose, Throat and Ear, 2nd ed. (Saunders 1957); W. W. Morrison, Diseases of the Ear, Nose and Throat, 2nd ed. (Appleton 1955); St. Clair Thomas and V. E. Negus, Diseases of the Nose and Throat, 6th ed. (Cassell 1955); A. Logan Turner, Diseases of the Nose, Throat and Ear, 5th ed. (Wright 1952); T. G. Wilson, Diseases of the Ear, Nose and Throat in Children (Heinemann 1955); G. D. Wolf, Ear, Nose and Throat (Lippincott 1947).

DEPARTMENT OF PAEDIATRICS

Projessor	ALAN Ross, Chairman
og side Associate Professors	R. L. DENTON A. K. GEDDES E. M. WORDEN
Assistant Professors	A. L. JOHNSON P. N. MACDERMOT
Lecturers	H. L. BACAL BEN BENJAMIN
Demonstrators	HELEN BRICKMAN J. S. CHARTERS D. K. CLOGG T. A. COWAN
	S. I. DOUBILET F. CLARK FRASER J. E. GIBBONS R. B. GOLDBLOOM
	VICTOR C. GOLDBLOOM R. GOURDEAU
the nursquies to the group of Four their four weeks in Obstetrics. Professor Goldes and St	D 4 TT

Professor A- -- D- GI

FRANCES MCCALL D. R. McCrimmon G. H. NICKERSON J. H. O'NEILL Sydney Pedvis PIERRE SENECAL FREDERICK SHIPPAM Hyman Surchin W. W. TIDMARSH S. J. USHER ISOBEL WRIGHT

Teaching Fellow H. R. BRODIE

REQUIRED COURSES

LECTURES

1. (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS

In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development are discussed from the broadest possible point of view.

- (b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.
- (c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc.
- 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL
 - (a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.
 - (b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.
 - (c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Professor Geddes and Staff

3. CLINICAL PAEDIATRICS

- (a) During the Third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Montreal Children's Hospital in the out-patient department.
- (b) Groups during the final year spend four weeks entirely at the Montreal Children's Hospital as clinical clerks and taking part in bedside clinical conferences.

 Staff
- (c) Care and feeding of the normal infant, immunization procedure, preventive paediatrics; Child Health clinics.

 Staff
- (d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Professor Worden

Textbooks: L. E. Holt, Jr. and Rustin McIntosh, Holt Pediatrics, 12th ed (Appleton 1953); W. E. Nelson, Textbook of Pediatrics, 6th ed. (Saunders 1954); D. H. Paterson and J. F. McCreary, Pediatrics (Lippincott 1956).

Reference Books: J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk. Pubs. 1956); A. G. DeSanctis and Chas. Varga, Handbook of Pediatric Medical Emergencies, 2nd ed. (Mosby 1956); J. L. Gamble, Chemical Anatomy, Physiology and Pathology of Extracellular Fluid (Harvard Univ. Pr. 1954); A. L. Gesell, The Embryology of Behavior, the Beginnings of the Human Mind (Harper 1945); Morris Green and J. B. Richmond, Pediatric Diagnosis (Saunders 1954); Leo Kanner, Child Psychiatry, 3nd ed. (Thomas 1957); J. D. Keith, R. D. Rowe and Peter Vlad, Heart Disease in Infancy and Childhood, N.Y. (Macmillan 1958); C. A. Smith, The Physiology of the Newborn Infant, 2nd ed. (Thomas 1951); Lawson Wilkins, Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence, 2nd ed. (Thomas 1957).

DEPARTMENT OF PARASITOLOGY

Professor	T. W.	M. CAMERON,	Chairman
Associate Profe.	ssor	Chapter season.	NAME OF TAXABLE PARTY.
Assistant Profe.	ssors	for challenge	of tentes
Lecturer		revisal District	H-4/4/4-14

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term-Two lectures and one laboratory period per week.

FLECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Pr. 1956).

DEPARTMENT OF PATHOLOGY

Demonstrators

Strathcona	Professor	G.	C.	McMillan,	Chairman

Associate Professors	J. E. PRITCHARD
h K. D. Kowa nod Palor	A. C. RITCHIE, JR.

Assistant Professors	W. H. MATHEWS
The same of the sa	W. PIROZYNSKI
	E W Wrot EGWODTH

Lecturers		G. MATHIESON
		SEAN MOORE
	PATITA H	SCHOPEL OCHER

Sessional	Lecturer]	D. S	. KAHN

Sessional Demonstrator	M. A. SIMON
CI: : 1 E II	S RITCHIE

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

A. Lectures with epidiascopic and microscopic demonstrations during the Autumn and Winter terms totalling 60 hours.

Professors McMillan and Ritchie

B. Practical laboratory classes during the Autumn and Winter terms totalling 72 hours.

Professor Pirozynski with Demonstrators

2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS)

A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours.

Professor McMillan and Staff

B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours.

Staff and Demonstrators

C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours.

Lecturers and Demonstrators

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

- A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

 *Professor McMillan**
- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute Professor Pirozynski

Montreal General Hospital Professors Pritchard and Mathews

Montreal Children's Hospital Professor Wiglesworth

Textbooks: W. A. D. Anderson, Pathology, 3rd ed. (Mosby 1957); Wm. Boyd, A Textbook of Pathology, 6th ed. (Lea and Febiger 1953); H. T. Karsner, Human Pathology, 8th ed. (Lippincott 1955); R. A. Moore, Textbook of Pathology, 2nd ed. (Saunders 1951); G. P. Wright, Introduction to Pathology, 2nd ed. (Longmans 1954).

Reference Books:

General: Wm. Boyd, Pathology for the Surgeon, 7th ed. (Saunders 1955); Wm. Boyd, Pathology of Internal Diseases, 5th ed. (Lea and Febiger 1950); W. D. Forbus, Reaction to Injury (Williams and Wilkins

1943-52), 2 vols.; R. F. Ogilvie, Pathological Histology, 5th ed. (Livingstone 1957); R. A. Willis, Pathology of Tumours, 2nd ed. (Butterworth 1953).

Special: G. D. Lumb, Tumours of Lymphoid Tissue (Livingston 1954); J. H. Biggart, Pathology of the Nervous System, 2nd ed. (Livingstone 1949); W. J. Freeman, Neuropathology (Saunders 1933); Emil Novak, Gynecologic and Obstetrical Pathology, 3rd ed. (Saunders 1952); Sidney Farber, Portmortem Examination (Thomas 1937); Otto Saphir, Autopsy Diagnosis and Technic, 3rd ed. (Hoeber 1951).

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. MELVILLE, Chairman
Associate Professor	D. R. Wood
Assistant Professor	B. G. Benfey
Lecturer	diag seems to mission party
Teaching Fellow	N. R. EADE
Demonstrator	H. E. SHISTER

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

CONFERENCES

During the year four conferences of 45 minutes each and limited to six students, will be arranged. These conferences will replace the regular laboratory periods at the times specified.

LECTURE-DEMONSTRATIONS

In conjunction with the Department of Medicine (Therapeutics) a series of six (6) one hour lecture-demonstrations is held in the Teaching Hospitals during the course. These are designed to present selected clinical cases illustrating practical applications of drug usage.

2. TOXICOLOGY

A course of ten lectures devoted to the problems of acute poisoning (occurrence, symptoms, modifying factors, diagnosis and treatment), is given during the 3rd term of the Second year.

Textbooks: Harry Beckman, Drugs, their Nature, Action and Use (Saunders 1958); A. J. Clark, Applied Pharmacology, 8th ed., rev. by Andrew Wilson and H. O. Schild (Churchill 1952); V. A. Drill, Pharmacology in Medicine, 2nd ed. (McGraw-Hill 1958); L. S. Goodman and A. Z. Gilman, Pharmacological Basis of Therapeutics, 2nd ed. (Macmillan 1955); J. C. Krantz and C. J. Carr, Pharmacologic Principles of Medical Practice, 3rd ed. (Williams and Wilkins 1954).

ELECTIVES

Suitably prepared students may undertake special research or training projects under direction of a staff member at any time, by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professor A. S. V. Burgen

Associate Professors

B. D. Burns
H. Garcia-Arocha

Assistant Professors

SIMON DWORKIN
BERNICE GRAFSTEIN
PAUL SEKELI

KATHLEEN G. TERROUX

Lecturer J. Q. Bliss

REQUIRED COURSES a row rainfally after four conferences of 45 ministres

FIRST YEAR

- 1. PHYSIOLOGY and the expension pent? became ad fit an amplicate Tuesday, Thursday, Saturday at 9 a.m.
- 1D. DEMONSTRATIONS Friday at 3 p.m.
- 1L. PHYSIOLOGICAL LABORATORY Three hours a week, from November.

INTRODUCTION TO MEDICINE

One hour a week, from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM Two hours lecture, two hours laboratory, and one hour demonstration a week, during the first term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

Textbooks:

Introductory: G. H. Bell, J. N. Davidson and Harold Scarborough, Textbook of Physiology and Biochemistry, 3rd ed. (Livingstone 1956); C. H. Best and N. B. Taylor, The Living Body, 3rd ed. (Holt 1952).

Recommended General Texts: A. C. Guyton, Textbook of Medical Physiology (Saunders 1956); Samson Wright, Applied Physiology, 9th ed. (Oxford 1952).

Reference Texts: C. H. Best and N. B. Taylor, The Physiological Basis of Medical Practice, 6th ed. (Williams and Wilkins 1955); C. L. Evans, Principles of Human Physiology, 12th ed. (Churchill 1956); J. F. Fulton, A Textbook of Physiology, 17th ed. (Saunders 1955); B. A. Houssay, Human Physiology (McGraw-Hill 1951).

ELECTIVE COURSE

1E. SELECTED TOPICS IN PHYSIOLOGY

These are discussed from the point of view of current research in the Department.

2 hours a week, from January.

DEPARTMENT OF PSYCHIATRY

Professors

D. E. CAMERON, Chairman

A. E. Moll

Associate Professors

R. A. CLEGHORN R. B. MALMO W. CLIFFORD M. SCOTT BARUCH SILVERMAN

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Assistant Professors SAUL ALBERT J. Aufreiter Inioq sidesog segligged all monthessenath ad the at T. J. Boag C. Bos V. A. Kral E. H. LEHMANN A. W. MacLeon M. SAFFRAN C. SHAGASS T. L. Sourkes

FRIEDL AUFREITER L. G. HISEY HASSAN AZIMA R. C. A. HUNTER JACQUES BEAUBIEN ALAN MANN M. K. BIRMINGHAM G. MORF H. A. Bowes C. H. SKITCH MANUEL STRAKER HYMAN CAPLAN BRUNO CORMIER G. C. TAYLOR P. G. EDGELL MARTIN TUNIS B. GRAD SAUL WILNER R. C. M. HAMILTON

Sessional Lecturer

MIGUEL PRADOS

Demonstrators

F. AZIMA L. HUTSON S. BARZA W. G. KRAUSER C. CAHN HENRY KRAVITZ G. C. Curtis D. Levin L. Levy J. Naiman H. B. DUROST G. HANRAHAN Angela Hefferman G. J. Sarwer-Foner Brian Hunt C. C. Smith

Research Assistants

J. F. Davis B. D. Drujan

N. EPSTEIN

S. FELDMAN

J. M. FORTIN J. KENYON D. W. R. Ross

REQUIRED COURSES

FIRST YEAR

CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures. In the remaining 14 hours, a child psychiatrist and a pediatrician will collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development will be discussed from the broadest possible point of view.

Professors Cameron, Ross (Pediatrics), Statten, and Staffs

SECOND YEAR

Two courses of lectures, totalling 24 hours, on basic behavioural disorders are given during the Second year. The first course deals primarily with psychopathology and the second with clinical cases and the recognition of the nature of symptoms. Clinical demonstrations are included.

Professor Lehmann and Staff

THIRD YEAR

70 hours of clinical instruction will be given during the Third year. This instruction is given primarily on the wards of the teaching hospitals and in the out-patient departments.

Drs. Bos. Cleghorn, Hisey, Taylor and Wilner

FOURTH YEAR

Clinical demonstration, out-patient instruction, and ward rounds are held during the Fourth year. Certain of these are devoted to early behavioural disturbances, psychosomatic and toxic states, and drug addictions.

Professors Cameron, Moll, Dancey, and Staffs

A course of 8 lectures on Community and Preventive Psychiatry is given during the Fourth year.

Professor Silverman

DEPARTMENT OF RADIOLOGY

Professor

CARLETON B. PEIRCE, Chairman

Associate Professors

J. J. L. BOUCHARD JOSEPH W. MCKAY

D. L. MCRAE

Assistant Professors E. F. CRUTCHLOW

J. S. Dunbar R. G. FRASER

Assistant Professor of Physics

L. G. STEPHENS-NEWSHAM

Lecturer

N. M. Brown

Demonstrators

R. M. CUNNINGHAM A Normal Radiographic Augusty (Sanders 1951) M. N. LOUGHEAD Assau bas beef relegated A. I bas secretaries T. F. B. PHILIPS D. J. SIENIEWICZ

In co-operation with the Department of Anatomy, illustrative demonstrations for the course in "Living Anatomy" are available on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, especially in regard to functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and rentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with clinical methods in physical examination. Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general principles of radiation physics, systemic roentgen pathology and the therapeutic use of ionizing radiations.

Professors Peirce, Bouchard, McKay, McRae, Stephens-Newsham, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students assigned to Internal Medicine, Paediatrics and Surgery in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, McKay, and Staff

Text and Reference Books: A. E. Barclay, The Digestive Tract, 2nd ed. (Camb. Univ. Pr. 1936); J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk.Pubs. 1956); Otto Glasser, et al., Physical Foundations of Radiology, 2nd ed. (Harper 1952); Ross Golden, et al., Diagnostic Roentgenology (Nelson 1936-41, 3 vols.); F. J. Hodges, et al., Radiology for Medical Students, 2nd ed. (Year Bk. Pubs. 1954); G. W. Holmes. and L. L. Robbins, Roentgen Interpretation. 8th ed. (Lea and Febiger 1955); Alban Kohler, Roentgenology, 2nd ed. (Bailliere 1935); Isadore Meschan, An Atlas of Normal Radiographic Anatomy (Saunders 1951); Isadore Meschan, Roentgen Signs in Clinical Diagnosis (Saunders 1956); H. K. Pancoast, E. P. Pendergrass, and J. P. Schaeffer, Head and Neck in Roentgen Diagnosis (Thomas 1940); E. A. Pohle, Theoretical Principles of Roentgen Therapy (Lea and Febiger 1938); L. G. Rigler, Outline of Roentgen Diagnosis (Lippincott 1938); LeRoy Sante, Principles of Roentgenological Interpretation, 9th ed. (Edwards 1952); S. C. Shanks and P. J. Kerley, Textbook of X-ray Diagnosis, 2nd ed. (Saunders 1950-51, 4 vols.); 3rd ed. vol. 1 1957; M. B. Wesson, Urologic Roentgenology, 3rd ed. (Lea and Febiger 1950).

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals in conjunction with the Diploma Course for selected graduates of approved Faculties or Schools of Medicine.

DEPARTMENT OF SURGERY

P. G. Rowe, Chairman Professors D. R. WEBSTER Associate Professors D. R. MURRAY S. J. MARTIN Assistant Professors S. G. BAXTER J. R. McCorriston C. A. McIntosh C. M. GARDNER E. A. McNaughton I. W. GERRIE H. S. MORTON F. N. GURD H. F. Moseley G. H. HOLLAND J. D. PALMER J. C. LUKE

Lecturers

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H. A. BAXTER W. M. COUPER J. C. DICKISON G. D. LITTLE

I. C. SUTTON A. M. VINEBERG F. M. WOOLHOUSE

Demonstrators

F. D. ACKMAN A. R. BAZIN H. E. BEARDMORE J. A. DRUMMOND M. A. Entin R. L. ESTRADA J. F. HOPKIRK A. F. JONES G. M. KARN

R. N. LAWSON R. C. Long H. F. OWEN D. W. RUDDICK H. J. SCOTT ISRAEL SHRAGOVITCH J. L. SHUGAR E. J. TABAH A. G. THOMPSON

ORTHOPAEDIC SURGERY

Assistant Professors J. G. Petrie

J. G. Shannon

A. A. BUTLER J. A. L. WALKER

Demonstrators ROBERT G. TOWNSEND C. LAIRD WILSON J. M. McIntyre

UROLOGY

WARD ROURDS in the Mo

Assistant Professors A. B. HAWTHORNE R. G. REID

Lecturers

S. A. MACDONALD J. T. MACLEAN

Demonstrators K. J. MacKinnon C. A. MOORE

REQUIRED COURSES— I ad James that usays trave and traveled men at all the

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.
- **3C.** CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. It is compulsory that every student must be in residence for a period of one week at either the Montreal General Hospital or the Royal Victoria Hospital during the term in Surgery.

^{*}Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course

SURGICAL DISEASES OF CHILDREN -

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY -

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA -

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Fourth year at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY -

SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery 2B.)

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

General Surgery: Ian Aird, Companion in Surgical Studies, 2nd ed. (Livingstone 1956); Hamilton Bailey, Demonstration of Physical Signs in Clinical Surgery, 12th ed. (Williams and Wilkins 1954); Christopher's Minor Surgery, ed. by Alton Ochsner and M. E. DeBakey, 7th ed. (Saunders 1955); Frederick Christopher, Textbook of Surgery, 6th ed. (Saunders 1956); W. H. Cole and Robt. Elman, Textbook of General Surgery, 6th ed. (Appleton 1952); John Homans, Textbook of Surgery, 6th ed. (Thomas 1945); H. F. Moseley, Textbook of Surgery, 2nd ed. (Mosby 1955).

Surgical Anatomy: A. Lee McGregor, Synopsis of Surgical Anatomy, 7th ed. (Williams and Wilkins 1952).

Fractures and Dislocations: R. Watson Jones, Fractures and Joint Injuries, 4th ed. (Livingstone 1952-1955), 2 vols.

Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Cases (Macmillan 1924).

Urology: M. F. Campbell, Urology (Saunders 1954), 3 vols.; F. H. Colby, Essential Urology, 3rd ed. (Williams and Wilkins 1956); D. N. Eisendrath and H. C. Rolnick, Urology, 4th ed. (Lippincott 1938).

Orthopaedic Surgery: W. C. Campbell, Operative Orthopaedics, 3rd ed. (Mosby 1956), 2 vols.; Walter Mercer, Orthopaedic Surgery, 4th ed. (Williams and Wilkins 1950).

GRADUATE INSTRUCTION-

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 515 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and

Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital

Montreal General Hospital

Montreal Children's Hospital

Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

The total bed complement is 919, with 96 bassinets. Admissions total approximately 20,000 and confinements are in excess of 3,000 a year. There are some 80,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 106.

The Royal Victoria Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital is a general hospital of 750 beds for the treatment of acute diseases. In a typical year, there were approximately 16,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 100.

The "Montreal General" was founded in 1821; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The Montreal Children's Hospital has 291 public beds, and, in a typical year, admitted 6,000 patients. The attendance at its out-door department totalled over 60,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

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The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 151-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian

LLOYD G. STEVENSON

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:00 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Monday to Friday inclusive and closed on Saturdays.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

Assistant Librarian

LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 12,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works, and its importance and usefulness are much enhanced by the donor's annotated

catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 145 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

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McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

- To transact all matters of business connected with the undergraduate body;
 - (2) To stimulate interest along medical lines;
 - (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior is open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGill University



Montreal

Faculty of Medicine

MEDICAL LIBRARY the particular to Marketon, its object being to perceive the present On the property for William Ones, by the reading it papers and • brossens

McGill University



Montreal

Faculty of Medicine

Courses of Graduate Instruction

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts, in Pure Science, and in Fine Arts. There is a separate announcement for the School of Commerce)

Faculty of Medicine

Faculty of Medicine Post Graduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

School of Physical Education

School for Graduate Nurses

School of Physiotherapy

School of Social Work

Macdonald College (Faculty of Agriculture, School of Household Science, and School for Teachers)

French Summer School

Geography Summer School

Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

McGill University

COURSES IN GRADUATE STUDY AND TRAINING TOWARDS DIPLOMAS IN THE CLINICAL DEPARTMENTS OF THE FACULTY OF MEDICINE

The following regulations apply to all Diploma Courses:

(1) In each clinical department offering courses towards a Diploma there is a small committee headed by the Chairman of the Department. This committee is responsible for the selection of candidates, the general outline of the work which each candidate will follow and the appointment of a tutor for each candidate.

(2) It is hoped that each student will spend his period of training in more than one hospital, in that this will provide a more diversified experience.

(3) The various Diploma Courses in the clinical departments of the Faculty of Medicine lead to the award of diplomas by McGill University and, as a consequence, every student enrolled in such a course of study must be registered as a student of McGill University. In order that this be done, it is essential that:

(a) Application for admission to a Diploma Course must be made on the appropriate form and submitted by the candidate to the Chairman of the appropriate department. If the application is approved, this form is sent to the Dean of the Faculty of Medicine by the department concerned.

(b) On beginning the actual course of study leading to a Diploma the candidate must obtain three copies of the sessional application form, have them signed by the Chairman of the Department and present them to the Dean of the Faculty of Medicine for his signature. One of the forms will be retained by the Dean and the candidate carries the remaining two forms to the Registrar's Office. After registration has been completed the candidate returns one copy of the form to the Chairman of the department and keeps the other in his own possession. This process of registration must be carried out at the beginning of each year of study in a Diploma Course and the final date for such registration is October 1st. Failure so to register will result in the candidate not being granted credit towards the Diploma for the work carried out during the particular year. Should a candidate be permitted to begin a Diploma Course at other than the usual date of July 1st., then registration must be carried out within three months of the commencement of the course if the candidate is to be granted credit for work done during that year.

(4) The fees charged are as follows:

(a) There is a registration fee of \$10 which is paid each year on registration, except when a student is enrolled in the Faculty of Graduate Studies and Research as a candidate for the degree of M.Sc. or Ph.D., when he will come under the regulations, including fees, laid down by that Faculty.

- (b) Certain of the Diploma Courses require the payment of fees in addition to the annual registration fee. Detailed information concerning these fees is set forth at the conclusion of the description of the individual Diplomas.
 - (5) In the case of a student who is not proceeding to an M.Sc. or Ph.D., but for whom the committee in charge, on the recommendation of the tutor, considers it important that the student should spend some time in study in one of the medical sciences, individual arrangements will be made by the Chairman of the Department, either directly or through the student's tutor with the Chairman of the Medical Science concerned. Such students would be enrolled in the Faculty of Graduate Studies and Research and would be governed by the rules and regulations of this Faculty in regard to fees, etc., applicable to partial students.
 - (6) The courses will be open to other than McGill graduates in Medicine and entrance to the courses after the prerequisite year is permitted to suitable graduates from other universities.
 - (7) Candidates may apply to enter a course who have already fulfilled the prerequisites and part of the graduate study and training. Each student must spend at least two years of graduate study and training in a clinical department of the Faculty of Medicine of McGill University.
 - (8) Initial inquiries should be directed to the Secretary of the Faculty of Medicine.

DIPLOMA IN ANAESTHESIA

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's interneship, in Medicine, or in a rotating manner.

Three Years Of Graduate Training:

- (a) Each candidate must be a Resident Anaesthetist for three years in several hospitals, approved of by McGill University, and must rotate from one hospital to another every six months.
 - (b) Each hospital allows the candidate to attend laboratory Courses, without interruption, at the times set by the Department.
- (c) The Laboratory Courses are arranged with the Chairmen of the Departments of: Anatomy, Biochemistry, Pharmacology, and Physiology. In each instance the *pervading* idea is that of Anesthesia. In Anatomy there are 16 periods of 2 hours each. In Biochemistry there are 12 periods of 2 hours each. In Pharmacology there are 8 periods of 1 hour each. In Physiology there are 10 periods of 3 hours each.

- (d) Throughout the three-year course, once-a-week, evening colloquia are conducted for the purpose of discussing interesting cases and the reading of papers.
- (e) Throughout the three-year course, once-a-week, Seminars are directed. In these, each candidate is given opportunity to report on allocated literature and to learn how to teach.
- (f) A thesis is required from each candidate and a final examination is conducted.
- (g) The tuition fee for the complete course is approximately \$150.

DIPLOMA IN DERMATOLOGY AND SYPHILOLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's rotating interneship or an interneship in Medicine or Pathology or a combination thereof.

First Year of Graduate Training: A senior interneship or Assistant Residency in Dermatology and Syphilology at one of the teaching hospitals affiliated with McGill University. The work of this year should be largely clinical. During this year the graduate student will be required to do extensive reading in the basic sciences as applied to his specialty as well as in Internal Medicine.

Second Year of Graduate Training: This will be taken as a fellowship year devoted to further study and investigation of one or more problems as determined by the head of the Department. This will require of the graduate student particular attention to and study of those aspects of the basic sciences which are applicable to the investigative problems he has in hand.

Third Year of Graduate Training: This year may be taken as a Resident in the Department of Dermatology and Syphilology. The candidate will continue his investigative problems and will be expected to take some part in the teaching of undergraduate students.

A thesis acceptable to the Departmental Committee will be required before the candidate will receive his Diploma in Dermatology and Syphilology.

The entire course will be under the supervision of the chiefs of the Dermatological Service of the Montreal General and the Royal Victoria Hospitals. They will be responsible for the training of the graduate directly attached to their respective clinics. A close co-ordination of training in the best interests of the graduate student as between the two hospitals staff will be developed to the utmost. The instruction will be

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largely of the preceptor-student type with some exceptions in the special basic and associated sciences.

These latter studies will be largely undertaken in the first two years of graduate study. Those aspects of Embryology, Histology, Physiology, Biochemistry and Bacteriology, as related to Dermatology will be studied by the student. These courses of study will be outlined for him and it will be his responsibility to master them thoroughly.

Histopathology of the skin will be emphasized throughout the entire course of training. The graduate student will be required to make a special study of the practical aspects of Immunology and Serology, Mycology, Parasitology and Bacteriology and Allergy in their relation to Dermatology and Syphilology.

All graduate students in this course will be expected to attend a general course of lectures on the Recent Advances in Medicine available to all students enrolled in diploma courses in clinical subjects conducted under the Medical Faculty of McGill University.

There will also be departmental colloquia, seminars and clinical conferences which will be compulsory, as well as attendance at Medical, Pathological and Surgical staff conferences and the meetings of the local medical societies.

DIPLOMA IN INTERNAL MEDICINE

The Diploma Course is of 4 years' duration after the completion of a rotating interneship or interneship in Pathology as a prerequisite. Two of these years must be spent at McGill University or at one of its associate teaching hospitals which are, for this purpose, Montreal General Hospital, Royal Victoria Hospital, Queen Mary Veterans Hospital, and in exceptional instances, the Children's Memorial Hospital.

One of the years is to be spent as an investigative year during which the candidate may not take part in the routine care of patients. This year may be taken in one of the basic sciences or in clinical investigation.

Usually the course runs something as follows:

1st Year: Senior Interneship in Medicine

2nd Year: Assistant Residency in Medicine

3rd Year: Investigative Year

4th Year: Teaching Fellowship or residency,

travel to various centres, etc.

At the present time the Committee will accept one year in routine Pathology as one year of the course but this does not count as the investigative year and for the individuals taking routine Pathology as part of the course the Committee strongly urges them to take the investigative year in a clinical department. It is, of course, always possible for an individual to take his investigative year in the Department of Pathology provided that he has not taken the routine year in Pathology as part of the course.

The Committee is not responsible for obtaining positions of interneship or Assistant Residency for candidates. Application must be made separately to the hospitals concerned by the candidate himself. Positions must be approved by the Committee.

There is a course of formal lectures one evening a week throughout the session, preceded by a seminar given by one of the candidates and followed by a colloquium by groups of teachers, subjects chosen by a committee of the candidates. This course is of 2 years' duration. There are oral examinations at the end of each year and a written and oral examination which may be taken at the end of either the 3rd or 4th year.

At the end of the investigative year a thesis of about 50 pages in length must be submitted on the work done by the candidate during the year. In the case of individuals taking an M.Sc. in any university department, a satisfactory thesis presented for this degree will be automatically accepted as a thesis for the Diploma Course.

The fee for the course at the present time is \$50.00 made up of \$10.00 registration fee, \$20.00 for lecture course and \$20.00 for seminars and colloquia.

DIPLOMAS IN NEUROLOGY AND NEUROSURGERY

Registration of an applicant in the diploma course for neurology or neurosurgery may be made after recommendation is forwarded by the Professor of Neurology and Neurosurgery to the Dean. Registration is possible in some cases after the candidate has begun his work.

DIPLOMA IN NEUROLOGY

- Prerequisites: (a) A degree from an approved Medical College or School.
 - (b) One year's interneship in a recognized hospital in Medicine.

In order to qualify for the Diploma in Neurology the candidate must complete, in addition to the above prerequisites, the following units:

- A. One academic year of work in a basic science which leads successfully to the degree of Master of Science in the Faculty of Graduate Studies and Research of McGill University. This basic science must be in a related field, such as Neuro-pathology, Neuro-physiology, Neuro-anatomy, Bio-chemistry, Endocrinology, etc., together with required cognate courses. The work may be carried out as arranged either in the Department of Neurology and Neurosurgery or in some other department of McGill University. The subject of the investigation followed towards this degree must receive approval from the Chairman of the Department of Neurology and Neurosurgery.
- B. Six months in *Psychiatry* in the Department of Psychiatry at McGill University. (Note: Under special circumstances the candidates may substitute six months in the Department of Psychiatry in some other accredited hospital or university).
- C. Six months in Neuro-surgery at the Montreal Neurological Institute. (Note: Under special circumstances a candidate may substitute neuro-surgical training received in the neuro-surgical department of some other accredited hospital or university).
- D. One year of service in clinical Neurology at the Montreal Neurological Institute, including work in Neuroanatomy.
- E. A three-month period during which the candidate will devote his mornings to x-ray and electroencephalography and his afternoons to work in out-patient clinics at the Montreal General, Royal Victoria and Children's Memorial Hospitals. He will also carry out the commoner biochemical tests in use in clinical studies of the nervous system. In case the candidate has had extended experience in any of these subjects this quarter may be altered according to his qualifications.
- F. Oral Clinical Examination. Before receiving the diploma the candidate must successfully pass an oral examination in clinical Neurology and Neurosurgery. There will be one internal and one external examiner.

DIPLOMA IN NEUROSURGERY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's interneship in general surgery.

In order to qualify for the diploma in Neurosurgery the candidate must complete, in addition to the above prerequisites, the following units:

- A.** One academic year of work in a basic science which leads successfully to the degree of Master of Science in the Faculty of Graduate Studies and Research of McGill University. This basic science must be in a related field, such as Neuro-pathology, Neuro-physiology, Neuro-anatomy, Biochemistry, Endocrinology, etc., together with the required cognate courses. The work may be carried out as arranged either in the Department of Neurology and Neurosurgery or in some other department at McGill University. The project must receive approval from the Chairman of the Department of Neurology and Neurosurgery on the recommendation of the student's tutor.
- B. Six months in clinical Neurology at the Montreal Neurological Institute (Note: Under special circumstances, credit for six months of clinical Neurology in some other accredited hospital or university department of Neurology may be accepted).
- C.** Six months in special work in a related field such as Neuro-physiology, Neuro-anatomy, Neuro-pathology, Biochemistry, Endocrinology, Metabolism, Psychiatry, etc., acceptable to the Chairman of the Department of Neurology and Neurosurgery.
- D. Two years in clinical Neurosurgery at the Montreal Neurological Institute.
- E. Oral clinical examination. Before receiving the Diploma, the candidate must successfully pass a final oral examination on clinical Neurology and Neurosurgery to be conducted by an internal and an external examiner.

DIPLOMA IN OBSTETRICS AND GYNAECOLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) Rotating service as a junior interne to include as far as possible Medicine, Surgery, and Obstetrics, but as an alternative a year in Medicine.

First Year of Graduate Training: As an interne in Obstetrics and Gynæcology. If this subject has in part been taken already in the prerequisite year an equivalent period of time will be taken in laboratory work in Pathology or Bacteriology.

Second Year of Graduate Training: This year will be occupied either as an assistant resident in the Department or as a fellow. In special instances he will be allowed to spend this year in general surgery, or in the Department of Internal Medicine.

^{**}Either unit A or C must be carried out in the Department of Neuropathology at the Montreal Neurological Institute.

Third Year of Graduate Training: The student will either be resident or a fellow. If the former he will be in charge of the clinic and will devote his time to clinical work and teaching. If the latter he will devote his time to scientific or clinical investigation of problems determined by the Departmental Committee on the recommendation of his tutor.

Fourth Year of Graduate Training: It is deemed advisable that every student should spend one year at least as a resident, but under special circumstances this ruling may be rescinded and a student spend two or more years as a fellow. Part of this period may be devoted to enrolment in the Faculty of Graduate Studies and Research towards an M.Sc. degree or be spent at extra mural clinics approved by the Departmental Committee.

Vacancies will be limited to three a year.

Fellows would be required to pursue studies in one or more of the following subjects:

ANATOMY AND EMBRYOLOGY

General instruction in the anatomy and development of the pelvis and pelvic organs. The gross anatomy of the abdomen and special dissections in the field of pelvic anatomy. Special study of the pelvic bones and where possible comparative anatomy. The opportunity of demonstrating anatomy to the undergraduate students would be a special part of this training. While certain didactic teaching doubtless would be advisable the training would be, in large part, in the practical work of the Department.

PHYSIOLOGY

A study of the principles underlying the function of the pelvic bones. The relation of œstrus to menstruation as observed in the laboratory animal and the disorders of function observed in the human reproductive system.

PATHOLOGY

The graduate student would serve in the University Department of Pathology, and in the Department of Pathology of the Department of Obstetrics and Gynæcology. During the period of study attendance at the staff conferences, autopsies and teaching periods would be required.

BACTERIOLOGY

Time would be devoted to study of general bacteriological methods with special attention to the determination of the bacteriological flora of the genital tract in health and disease.

BIOCHEMISTRY

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For the occasional student, special instruction would be required in the general field of biochemical investigation. The principal techniques in the assay of blood and urine for the determination of glandular function as related to the action of the sex glands, together with a working knowledge of liver and kidney function tests.

COMPREHENSIVE EXAMINATION

A comprehensive examination will be required at the end of the course. It will be necessary to submit a thesis relative to some special phase of work the applicant has completed.

DIPLOMA IN OPHTHALMOLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year junior interneship in a recognized hospital.

First Year of Graduate Training: A junior interneship in the Department of Ophthalmology of either the Montreal General or the Royal Victoria Hospital.

Second Year of Graduate Training: This year will be spent as a senior interne or resident in the Department of Ophthalmology in either the Montreal General or the Royal Victoria Hospital. Weekly lectures are given throughout the session on the basic sciences.

Third Year of Graduate Training: This year will be devoted to study in the Medical Sciences, which may comprise work in Anatomy, Physiology, Biochemistry, Bacteriology, Pathology, Physics, or Pharmacology, or any combination thereof, as arranged by the Departmental Committee on recommendation of the candidate's tutor. It is recommended that the candidate should visit outside centres for basic courses and clinics and sit for his certification examination.

Fourth Year of Graduate Training: During this year the candidate will be required to prepare a thesis, the subject of which may be of his own choice, on the approval of his tutor. He will be given guidance by the staff of the Departments of Ophthalmology of the Montreal General and the Royal Victoria Hospitals and arrangements will be made by the head of the Department of Ophthalmology, or through the candidate's tutor, for assistance to be made available by the staff of other departments of the University to which the subjects of his thesis may be particularly related. The thesis will be in part fulfilment of the requirements for the Diploma.

There will be one vacancy available each year.

The sequence as above stated may be varied to meet existing conditions.

It is necessary that two of the four years be spent at McGill University Centre, the other two years may be spent at some other recognised centre providing the necessary requirements are fulfilled.

DIPLOMA IN OTOLARYNGOLOGY

For the time being a Diploma in Otolaryngology is not being offered. However, a clinical course of training for three years is available in the three teaching hospitals of McGill University which will help to prepare a candidate for certification in Otolaryngology.

DIPLOMA IN PAEDIATRICS

Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's interneship in Medicine, a general rotating interneship, or an interneship in Pædiatrics.

First Year of Graduate Training: A senior interneship or assistant residency in Pædiatrics, including a period in infectious diseases if not already taken.

Second Year of Graduate Training: A residency in Pædiatrics, including special studies in Pædiatric Pathology, Psychiatry, Neurology, Biochemistry, etc.

Third Year of Graduate Training: A teaching fellowship in Pædiatrics with opportunities for research in special problems or a residency in Pædiatrics.

Fourth Year of Graduate Training: A continuation of the teaching fellowship and research activities or a residency in Pædiatrics.

The rotation of the last three years may be modified by the Departmental Committee on the advice of the tutor to suit special circumstances.

With the permission of the Departmental Committee on the recommendation of his tutor, one or any two of the last three years may be spent in another approved clinic.

During the last two years the candidate may enroll in the Faculty of Graduate Studies and Research for fulfillment of the requirements of an M.Sc.

All candidates, other than those proceeding to the degree of M.Sc. will be required to present a thesis on an approved subject during the final year of the course in partial fulfillment of the requirements for the award of the Diploma.

There will be two vacancies each year.

DIPLOMA IN PSYCHIATRY

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Prerequisites: (a) A degree from an approved Medical College or School.

(b) A general interneship of one year's duration.

First Year of Graduate Training: This year must be spent at one of the clinical centres in which early forms of breakdown are under study and in which active instruction in psychotherapy is being carried on. Attendance at seminars on Neuro-anatomy, Neuropathology, Social Psychiatry, Psychoneuroses, Psychology, Sociology, Psychoanalysis, Psychodynamics, Biochemistry, Genetics, Endocrinology, Psychotherapeutics and Psychoses is compulsory, as is participation in conferences and ward rounds. Students are assigned to tutors in groups of three or four, who will exercise special supervision on their progress in psychotherapy.

Second Year of Graduate Training: The work of the First Year is continued at a more advanced level, the seminars including Research Methods, Electroencephalography, Psychotherapy, Anthropology, Psychosomatics, Internal Medicine, Group Dynamics. During the latter part of this year a certain number of students are assigned to work in the psychosomatic field under supervision on the wards of the Department of Internal Medicine. During this year the student is expected to participate in group psychotherapy, he has training in out-patient work and may be asked to undertake the development of a problem in clinical research.

Third Year of Graduate Training: Approved by the planning committee, students may either take this Third Year in some centre outside the Montreal area, or they may pursue special studies in child psychiatry at the Children's Memorial Hospital, or the Mental Hygiene Institute; in Neurology at the Montreal Neurological Institute; in Experimental Psychology in the Division of Psychology in the Allan Memorial Institute, or in care of long-term cases in the Verdun Protestant Hospital; or in Community Psychiatry in the Mental Hygiene Institute. During this year the teaching responsibilities of the student are increased.

Fourth Year of Graduate Training: This year may be spent either in study at some centre outside the Montreal area or in special studies as indicated in the Third Year or in research in one of the research departments of McGill University. The centres within the Montreal area used for training purposes are the Allan Memorial Institute, the Montreal Neurological Institute, the Mental Hygiene Institute, the Department of Internal Medicine in the Royal Victoria Hospital, the University Clinic in the Department of Medicine of the Royal Victoria Hospital, the Montreal General Hospital, the Verdun Protestant Hospital, the Children's Memorial Hospital, the Queen Mary Road Veterans Hospital

and the Ste. Anne de Bellevue Veterans Hospital. By special arrangement research students can be assigned to either the Department of Medicine or of Social Sciences in McGill University.

Substitutes and rearrangements can be made with the consent of the departmental committee.

DIPLOMA IN RADIOLOGY

Prerequisites: (a) A degree from an approved Medical School or College;

- (b) One year of junior interneship, preferably on a rotating service.
- (c) A further year of interneship in Internal Medicine is recommended for those who may later wish to qualify for the Fellowship of the Royal College of Physicians of Canada.

First Year of Graduate Study in Radiology: A Senior Interneship in Radiology in either the Montreal General Hospital or the Royal Victoria Hospital, or the equivalent. During this year, special attention will be paid to Pathology, Radiation Physics and Bio-Physics. When Pathology has not been included in the preparatory interneship noted above, attendance on Pathologic conferences and post-mortem examinations, and the study of biopsy material will be required. The study of Physics and Bio-Physics will include lectures, assigned reading and special demonstrations. These cognate subjects will be pursued throughout the three years of the clinical portion of the post-graduate study.

Second Year: Assistant Residency in Radiology in one or more of the Teaching Hospitals of the University (Children's Memorial Hospital, Montreal General Hospital, Royal Victoria Hospital including the Montreal Maternity Pavilion, Montreal Neurological Institute), or the equivalent.

Third Year: Residency (or Assistant Residency) in Radiology in one or more of the Teaching Hospitals of the University, or the equivalent. Subject to the approval of the Departmental Committee, not less than three months, and not more than six months, of this year may be spent in exchange with a Department of Radiology in another medical centre.

The first three years of post-graduate study in Radiology should include not less than four months intensive study in each of (a) roentgenologic techniques; (b) radiologic aspects of diseases of the central nervous system; (c) of pædiatrics; and (d) of obstetrical and gynæcologic conditions; and at least eight months in radiation therapy.

Fourth Year of Graduate Training: Before the end of the Third Year the candidate, with the advice of his tutor and the approval of the Department, shall select his field of study for the Fourth Year, which may be in Diagnostic or in Therapeutic Radiology, or in advanced work in one of the cognate fields of science. In Diagnostic or Therapeutic Radiology, he will be expected to devote at least halftime to a problem in clinical research. In the cognate fields he will be expected to pursue such studies and investigation as are required of a candidate for the degree of Master of Science. Before he may be recommended for the Diploma, he will be required, under the supervision of his tutor and the Chairman of the Department, to produce a scientific communication on his problem, acceptable for publication. His thesis, as submitted to the Faculty of Graduate Studies and Research in support of his candidacy for the Master's degree, if approved by that Faculty, will be accepted in lieu of the scientific communication noted above.

It should be observed by the applicant that at least two of the four years of graduate study in Radiology must be spent in residence within the University and/or its affiliated Teaching Hospitals. Applications for advanced credit on admission will be adjudged by the Department Committee.

DIPLOMA IN SURGERY

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Prerequisites: (a) A degree from an approved Medical College or School.

(b) One year's rotation interneship.

First Year of Graduate Training: Senior interne on a surgical service of one of the teaching hospitals, not necessarily in the same hospital for the whole year.

Second Year of Graduate Training: The graduate student will be encouraged to seek enrolment in the Faculty of Graduate Studies and Research in one or more of the departments of the Faculty, such as Anatomy, Bacteriology, Biochemistry, Pathology and Physiology. If previous training is adequate this year will be spent in study towards the degree of M.Sc.

As an alternative to study in the Faculty of Graduate Studies and Research it may be possible to arrange that this year be spent in one of the hospital departments of Medicine or Pathology.

Third Year of Graduate Training: During this year the student would return to hospital practice in one or more of the participating hospitals. He would hold the rank of assistant resident in one of the hospitals. Moreover, he would be allowed permission to indicate special interest in a branch of Surgery such as Surgery of Children, Surgery of Trauma, Thoracic Surgery, etc. It would not, however, be necessary that such a decision be made at this time.

At the completion of the Third Year period an opportunity would be given to both the graduate student and to the Department of Surgery to reach a decision as to whether two years further training is desirable.

Fourth Year of Graduate Training: During this year a travelling allowance may be made available so that, either by an exchange or other method, opportunity would be given to visit other clinics presumably, for the most part, on this continent or in Great Britain.

Fifth Year of Graduate Training: Resident in Surgery in not more than two services of the teaching hospitals. The question of whether the position of resident should be in one of the special branches of Surgery or in general Surgery would be determined by the Departmental Committee on the recommendation of the student's tutor.

Selection of Candidates: Strict supervision is taken in the selection of candidates. They are chosen by a committee made up of a representative of each of the participating hospitals and several representatives of the Departments of Medical Sciences of the University.

Vacancies will be limited to four a year.

It will be expected that either during the Fourth or Fifth Year the graduate student will prepare himself for examination for Fellowship in the Royal College of Surgeons of Canada.

Although no special examination is contemplated for the Diploma, award of the Diploma will be dependent upon a satisfactory report to the Departmental Committee.

The Surgical Diploma Course Committee has decided that henceforth a deadline for applications to enter the course should be set at October 1st of each year.

DIPLOMA IN UROLOGY

Prerequisites: (a) A degree from an approved Medical College or School.

(b) Two years of interneship, one of which must be general surgery, and the other year preferably should comprise six months in Medicine and six months in Pathology.

First Year of Graduate Training: At one of the general hospitals of McGill University as a senior interne in the Department of Urology.

Second Year of Graduate Training: Assistant resident in one of the Departments of Urology.

Third Year of Graduate Training: Resident in one of the Departments of Urology.

No thesis will be required but one or more papers on Urological subjects must have been published in recognized journals of this specialty.

There will be two vacancies each year.

FACULTY OF GRADUATE STUDY AND RESEARCH OPPORTUNITIES FOR TRAINING AND RESEARCH IN MEDICAL SCIENCES

Department Fields of Work Full Time Research Graduate Workers and Other Students Positions ANATOMY General advanced An-2 teaching fellows atomy or Advanced who wish to take Anatomy with special up Anatomy as a reference to a particcareer. ular field, e.g., Orthopædic Surgery, Neuroanatomy, etc. Any anatomical or physical anthropological problem in which candidate is interested. ANATOMY Endocrinology; Expe-Part time demon- Probably 4 (Histology rimental therapeutics; strator in histolgraduate Division) histology. ogy; 3 full time students. research workers. PHYSIOLOGY Physiology. 2 — conditional 2 working toupon research wards M.Sc. funds available. or Ph.D. BIOCHEMISTRY Advanced Lecture Research workers Groups of 12 courses offered by Deaccepted only if in advanced partment. If sufficient they have special lecture courses. demand would contraining or after Not more than preliminary year sider offering special 8 in laboratory courses, e.g., in Cliniin advanced Bioor research cal Biochemistry. chemical lecture courses. courses. PHARMACOLOGY Experimental 2 at most.

Pharmacology.

MEDICINE

Department	Fields of Work	Full Time Research Workers and Other Positions	Graduate Students
ENDOCRINOLOGY	Endocrinology.	2 full time research workers.	Possible 6 graduate students.
UNIVERSITY	Medicine.	2 - 3 Fellows Research and Teaching.	4 - 5 for M.Sc. or Ph.D.
PATHOLOGY	Pathology	3 Teaching Fellow- ships available to candidates with at least one year's training.	3 for M.Sc. or Ph.D.
BACTERIOLOGY	Bacteriology and Immunity.	None.	Four for M.Sc. or Ph.D.

WEDGE LIBBARY

McGill University



Montreal

Faculty of Medicine

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine (Undergraduate courses)

Faculty of Medicine (Postgraduate courses)

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Library School

Institute of Education

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture, and School of Household Science)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

FREMENTS FOR ENTRANCE

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.	M.A., Ph.D., Principal
DAVID L. THOMSON, M.A., Ph.D., LL.D., F.C.I.C., F.R.S.C.	Vice-Principal
LLOYD G. STEVENSON, B.A., M.D., Ph.D. Dean	of the Faculty
S. M. BANFILL, M.B.E., B.A., M.D., C.M. Secretary	of the Faculty
COLIN M. McDougall, D.S.O., B.A.	Registrar
G. A. GRIMSON, B.Com.	Comptroller
RICHARD PENNINGTON, B.A., Lib.Dip. Univer	rsity Librarian
W. W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M.	Osler Librarian

Special Announcements are available for the School of Physical and Occupational Therapy, and the School for Graduate Nurses.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

ADMINISTRATIVE OFFICERS

CYRIL, JAMES, Chevalier, de la Légion d'Honneur, B.Com, M.A., Ph.D., D.Sc., D., de l'U., D.C.L., LL.D., F.R.S.C.

Principal MATERIA, M.A., Ph.D., LL.D., F.C.L.C., F.R.S.C.

Principal MATERIA, M.D., Ph.D.

W. BANFILL, M.B.E., B.A., M.D., C.M.

Secretary of the Feedley

J. B. M. McDougall, D.S.O., B.A.

A. Grinson, B.Com,

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W.W. Francis, A.B., M.D. (Johns Hopkins), M.D., C.M. Orlo Salvarion

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Faculty of Medicine

The one hundred and twenty-seventh session of the Faculty will open on September 9th, 1959, for students of all years.

REQUIREMENTS FOR ENTRANCE

1. (a) Total Academic Credits:

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) Scientific Requirements:

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and
Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or Zoology, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) Cultural Requirements:

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

- (d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Educational Testing Service or furnish a satisfactory explanation of why they are unable to do so.
 - 2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office in Dawson Hall on Friday, September 4th or Tuesday, September 8th, 1959. Those who register late will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1.	REGUL	AR ST	UDENTS
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Annual fee (including Students' Society and Medical Students' Journal fees)		\$750.00
Students in the Fourth year also pay for meals at the Royal Victoria Montreal Maternity Hospital		\$ 5.00
If paid in two instalments:		
First year only — First instalment, on registration Instalment fee	375.00 2.50	
	377.50	
Less half deposit	25.00	\$352.50
Second instalment, January 15th		\$352.50 \$377.50 \$380.00

- 2. REPEATING STUDENTS
 Students repeating a year pay full fees.
- 4. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

 The fee for the course leading to this diploma is \$100.00 for those already holding the D.P.H. For all others fee is \$250.00.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office, Dawson Hall, between the hours of 9 a.m. and 4 p.m. on the following dates.

Friday, September 4th to Friday, September 11th, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

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For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of interneship in an approved hospital,

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one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are four sessions of thirty-six weeks each exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June.

The academic session is divided into three terms of 12 weeks each in all sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty-four weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Embryology), Histology, Physiology, Biochemistry, Child Development and Human Relations, Introduction to Medicine, General Pathology, History of Medicine.

For details of the Health Service and Medical Base NOISS

Anatomy, Neuroanatomy, Medical Microbiology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry, Special Pathology, Radiology, History of Medicine.

THIRD SESSION

Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Medical Jurisprudence, Neurology and Neurosurgery, Paediatrics, Psychiatry, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia, Electives.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Therapeutics.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Medical Microbiology, Pathology, Health and Social Medicine, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry.

The examinations in Medicine and Surgery at the conclusion of the Third Session are ranked as major examinations, even though they are not the final examinations in these subjects.

Minor examinations include the final examinations in Neuro-anatomy Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Oto-laryngology, Radiology, and examinations preliminary to the final major examinations. A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

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A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc. will ordinarily be held during the session only at the end of the twelve week terms. If is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies. In the Fourth year final examinations will be held at the end of each rotation.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Medical Microbiology and Pathology, appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Pathology, Medical Microbiology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

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At the conclusion of each course, students are graded in five groups as follows:

A = Excellent

B = Good

C = Fair

D = Doubtful

E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

- Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
 - 2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than nine months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1608).
 - 3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.
- 4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
- 5. He must have attended the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk in Medicine and in Surgery and have fully reported upon the prescribed number of medical and surgical cases.

- 6. He must also have attended the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
- 7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC-Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q.

ONTARIO-Dr. H. McPhedran, 174 St. George St., Toronto 5, Ont.

NEW BRUNSWICK-Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

Nova Scotia—Dr. M. R. Macdonald, Victoria General Hospital, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. R. G. Lea, 170 Fitzroy St., Charlotte-town, P.E.I.

Manitoba—Dr. M. T. Macfarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. N. Peacock, 415 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

Newfoundland-Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

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In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 77 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor R. G. B. GILBERT, Chairman

Wellcome Research Professor J. G. ROBSON

Assistant Professors

W. G. CULLEN H. T. DAVENPORT R. S. FERGUSON ALAN B. NOBLE

Lecturers

P. R. BROMAGE GLADYS ELLISON J. J. KELLY R. A. MILLAR P. E. O'SHAUGHNESSY D. G. POWER

Demonstrators

J. D. A. FIRTH D. GILLIES E. W. LARKING A. W. McDonald D. J. L. MACWATT A. N. MUNGALL ANNE RICHARDSON J. K. Rosales C. A. SHERIDAN F. R. H. WRIGLEY

Fellow

MARGARET N. BARR

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the university some incomplete, but important, knowledge of anaesthesia while taking the courses in anatomy, physiology, biochemistry, pharmacology, and pathology.

In the final year he attends thirteen "lectures" given by the personnel of the Department of Anaesthesia. At the beginning of each "lecture" a sound-film is shown which is followed by a panel discussion on the topic presented.

The student is given advice on what to read. At the termination of these "lectures" a written examination is held.

In the final year, also, each student is allocated for one week to the Department of Anaesthesia in one of the hospitals, and two more days in another, in these to learn as much as he may in that short time, as he does the bidding of the anaesthetists and attends four well-planned lecture-demonstrations.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF ANATOMY

Professors	C. P. LEBLOND, Chairman
Jamieson, Hustrations of R 47); T. B. Johnston, A. Svid	C D Manager
Associate Professors	S. M. BANFILL
	J. LANGMAN
Assistant Professor	Y. CLERMONT
Lecturers	L. Heller
	I. SMART
	E. W. WORKMAN
	H. Isler
Teaching Fellows	N. J. NADLER
16208	B. Perey

REQUIRED COURSES

1. GROSS ANATOMY

Four hours lectures and eight hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year. This course includes Surface and Radiological Anatomy.

2. NEURO-ANATOMY

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Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: T. B. Johnston and J. Whillis, Gray's Anatomy, 31st ed. (Longmans 1954) or J. C. Brash, Cunningham's Text-Book of Anatomy 9th ed. (Oxford 1951).

Practical Manual: J. T. Aitken et al., A Manual of Human Anatomy, 5 vols. (Livingstone 1956).

Surface Anatomy: A. B. Appleton et al., Surface and Radiological Anatomy, 3rd ed. (Heffer 1949).

Optional Texts: J. E. Frazer, Anatomy of the Human Skeleton, 4th ed. (Churchill 1940); J. C. B. Grant, An Atlas of Anatomy, 4th ed. (Williams and Wilkins 1956); J. C. B. Grant, A Method of Anatomy, 5th ed. (Williams and Wilkins 1952); E. B. Jamieson, Illustrations of Regional Anatomy, 7th ed. (Livingstone 1947); T. B. Johnston, A Synopsis of Regional Anatomy, 8th ed. (Churchill 1957); A. Lee McGregor, Synopsis of Surgical Anatomy, 7th ed. (Wright 1950); S. W. Ranson and S. L. Clark, Anatomy of the Nervous System, 9th ed. (Saunders 1953).

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two or three hours lectures and six or nine hours laboratory work per week during the first 28 weeks of the first medical year.

Textbooks: A. W. Ham, Histology, 3rd ed. (Lippincott 1957); A. A. Maximow and W. Bloom, A Textbook of Histology, 7th ed. (Saunders 1957); P. E. Smith and W. M. Coperhaver, Bailey's Textbook of Histology, 13th ed. (Williams and Wilkins 1953).

Additional Reading: E. V. Cowdry, A Textbook of Histology, 4th ed. (Lea and Febiger 1950); E. D. P. DeRobertis, W. W. Nowinski and F. A. Saenz, General Cytology, 2nd ed. (Saunders 1954); R. O. Greep, Histology (Blakiston 1954).

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

- (a) A seminar on biological problems—1 hour per week.
- (b) A practical course on the planning of biological experiments, laboratory animal management and operations, histological and histometrical techniques, tracing methods (Radioisotope measurement by Geiger counter and localization in tissue section by radio-autography), microphotography, statistical methods for assessing data, etc. One hour lecture and 2 hours laboratory per week.

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REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

Two hours per week lecture and two hours per week laboratory work during the second half of the first medical year. Topics emphasized are: early stages of development; the cardio-vascular, respiratory, gastro-intestinal, uro-genital and nervous system; and the fetal membranes. Laboratory work consists of studying selected sections of the 10 mm. pig, a set of models placed on demonstration each week, and a demonstration of live material.

Textbooks: L. B. Arey, Developmental Anatomy, 6th ed. (Saunders 1954); W. J. Hamilton et al., Human Embryology, 2nd ed. (Heffer 1952); Section on Embryology in Cunningham's Textbook of Anatomy. See page 1; Section of Embryology in Gray's Anatomy. See page 1.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor

R. W. REED, Chairman

Associate Professors

G. G. KALZ I. W. STEVENSON

Assistant Professors

FRITZ BLANK
C. A. BUTAS
A. M. MASSON
GRACE ROBERTSON

Lecturers

E. MANKIEWICZ
B. H. MATHESON
O. MORGANTE
RAISSA SILOV

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

21. MEDICAL MICROBIOLOGY

This course deals with the general principles of medical microbiology and immunology. The lectures are concerned with the anatomy and physiology of bacteria, theories of infection and immunity and a systematic study of the pathogenic bacteria, viruses and rickettsiae. The animal parasites of man (protozoa, helminths and anthropods) are considered with special emphasis on those found in North America. Laboratory work provides experience in the cultivation, isolation and identification of microorganisms and an opportunity to observe their physiological and immunological properties.

Lectures and laboratory work during the first two trimesters of the Second year.

Textbooks: Wm. Burrows, Textbook of Microbiology, 16th ed. (Saunders 1954); Ernest Jawetz et al., Review of Medical Microbiology, 2nd ed. (Lange 1956); D. T. Smith et al., Zinsser's Bacteriology, 11th ed. (Appleton 1957). T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Press, 1956).

References: R. J. Dubos, Bacterial and Mycotic Infections of Man, 3rd ed. (Lippincott 1958); Sidney Raffel, Immunity (Appleton 1953); A. J. Rhodes and C. E. Van Rooyen, Textbook of Virology, 3rd ed. (Williams and Wilkins 1958); T. M. Rivers, Viral and Rickettsial Infections of Man, 3rd ed. (Lippincott 1958).

42. ADVANCED MICROBIOLOGY

42a. IMMUNOLOGY

44. BACTERIOLOGY READING COURSE AND THESIS

OTHER COURSES

The Department offers facilities for undergraduate and graduate training. See the announcements of the Faculty of Arts and Science and of the Faculty of Graduate Studies and Research.

DEPARTMENT OF BIOCHEMISTRY

Professors D. L. THOMSON, Chairman

K. A. C. ELLIOTT

J. H. QUASTEL

Associate Professor

O. F. DENSTEDT

Assistant Professors

E. H. CREASER

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P. G. SCHOLEFIELD T. L. SOURKES

FIRST YEAR

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BIOCHEMISTRY-PHYSIOLOGY 1. Mon. to Sat., at 9 a.m. BIOCHEMISTRY-PHYSIOLOGY 1L.

Laboratory: six hours a week.

BIOCHEMISTRY-PHYSIOLOGY 1D. Demonstration in Physiology and Biochemistry.

1 hour per week.

This is an integrated course of lectures and laboratory work given jointly by the two departments.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor

R. P. VIVIAN, Chairman

Associate Professors

D. S. FLEMING C. W. MACMILLAN MARGARET E. NIX

Assistant Professor

Lecturers

MARIAN BAIN

H. E. BURKE J. E. DE BELLE

F. M. Jones

W. Storrar Milton G. Townsend

J. G. TURNER FREDERICK WIENER

Demonstrators

A. STEWART ALLEN EDITH M. MANKIEWICZ

The Department provides two courses for undergraduates in the Faculty of Medicine—Public Health and Preventive Medicine, and Medical Ethics and Jurisprudence.

The course in Public Health and Preventive Medicine is begun in the autumn term of the Second year and contains, for each student, 40 lectures of 1 hour each and 11 demonstrations or field trips or practice sessions of $2\frac{1}{2}$ hours each, a total time of $67\frac{1}{2}$ hours.

The lectures deal with Epidemiology as a medical science and with the application of epidemiological principles to the study of disease causation and behaviour. Special emphasis is placed upon the influence of the environment upon health. Nutrition is also dealt with as a problem of ecology. Medical Statistics, including Vital Statistics, deals with census and estimated populations, registration, definition and computation of rates, and with statistical methods and techniques most frequently used in medical work.

Industrial Toxicology. Four lectures on (a) dusts, fumes, smokes, mists, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

Field trips, demonstrations and practice sessions pertinent to the lecture material are arranged which include visits to a water plant and a provincial laboratory; a discussion period on vital statistics; and audio-visual demonstrations on milk and other foods. Four sessions are held in health education and three practice sessions in medical statistics are provided.

A minor examination is held at the end of the Second year.

The second part of the course in Public Health and Preventive Medicine is given in the Third year. This part contains 12 lectures given to the

class as a whole at weekly intervals during the autumn term and 24 morning sessions of 2½ hours each, in each of the six week concentration periods provided in the curriculum. The total time for each student in the Third year is 72 hours.

The lectures deal with the prevention and control of tuberculosis, industrial health services, exotic diseases, the principles of education and medical economics.

The concentration periods are designed to provide an outline of the organization and activities of public health services in Canada and the operation of local or municipal public health programs, together with didactic material on the etiology, epidemiology and control of specific infectious diseases with demonstration and practice in the use of immunizing agents. The concentration periods also contain the presentation of didactic material on health supervision policies for particular groups in the community with demonstration and discussion. One session is held on hospital-interne relationships.

A final examination is held at the end of the Third year.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Text and Reference Books: H. R. Leavell and E. G. Clark, Preventive Medicine for the Doctor in his Community, 2nd ed. (McGraw-Hill 1958); H. S. Mustard, Introduction to Public Health, 3rd ed. N.Y. (Macmillan 1953); M. J. Rosenau, Preventive Medicine and Public Health, ed. by K. F. Maxcy, 8th ed. (Appleton 1956).

MEDICAL ETHICS AND JURISPRUDENCE

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The course in Medical Ethics and Jurisprudence consists of some 12 lectures, given to the class as a whole, in the spring term of the Second year.

MEDICAL ETHICS AND JURISPRUDENCE

Twelve lectures on (a) legal status of physicians (b) obligation of the doctor to the state (c) professional secrecy—privileged communications (d) responsibility to the patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Texts and Reference Books: i. General: R. J. M. Buchanan, Textbook of Forensic Medicine and Toxicology, 9th ed. (Livingstone 1925); John Glaister, Medical Jurisprudence and Toxicology, 9th ed. (Williams and Wilkins 1953); T. A. Gonzales et al., Legal Medicine, 2nd ed. (Appleton 1954); D. J. A. Kerr, Forensic Medicine, 5th ed. (Black 1954); H. H. Littlejohn, Forensic Medicine (Churchill 1925); R. H. Long, The Physician and the Law (Appleton 1955); W. D. McNally, Toxicology, Chic., (Indus. Medicine 1937); Sydney Smith and F. S. Fiddes, Forensic Medicine, 10th ed. (Churchill 1955); Sydney Smith and John Glaister, Recent Advances in Forensic Medicine, 2nd ed. (Churchill 1939); A. S. Taylor, Principles and Practice of Medical Jurisprudence, vol. 1, ed. by Sydney Smith, 11th ed. (Churchill 1956).

ii. Industrial Toxicology: Ethel Browning, Toxicity of Industrial Organic Solvents, 2nd ed. (H.M.S.O. 1953) (G.B. Med. Res. Counc. Indus. Health Res. Bd. Rept. no. 80); Yandell Henderson and H. W. Haggard, Noxious gases, 2nd ed. (Reinhold 1953); Donald Hunter, Industrial Toxicology (Oxford 1944).

HISTORY OF MEDICINE

Professor

LLOYD G. STEVENSON

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

A series of 8 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Fourth year).

A series of 24 lectures providing a chronological survey of the history of medicine and a consideration of the history of some major diseases. A weekly lecture during Fall and Winter terms.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor

J. S. L. Browne, Chairman

Assistant Professors

C. J.-P. GIROUD N. KALANT

Lecturers

Ivan Beck B. L. Frank M. M. Gold

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The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals. The Department is also prepared to make arrangements to offer elective courses for Medical undergraduate students.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable. For the list of courses and further details see the Calendar of the Faculty of Graduate Studies and Research.

DEPARTMENT OF MEDICINE

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RONALD V. CHRISTIE, Chairman

D. G. CAMERON

Associate Professors

D. V. BATES

J. C. BECK

E. H. BENSLEY

NEIL FEENEY

C. W. FULLERTON

W. H. P. HILL

M. M. HOFFMANN J. G. HOWLETT

Louis Lowenstein

H. S. MITCHELL

BRAM ROSE

Assistant Professors

L. J. ADAMS

R. C. BENNETTS

F. M. BOURNE

H. E. BURKE

G. A. COPPING

ELEANOR McGARRY

MAURICE McGREGOR

R. D. McKenna

J. F. MEAKINS

IAN MILNE

INGE DYRENFURTH C. J. PATTEE A. F. Fowler H. N. Segall G. W. HALPENNY F. M. SMITH L. G. Johnson A. T. Thom W. R. KENNEDY S. R. TOWNSEND R. V. WARD K. R. MACKENZIE Lecturers

W. LEITH MICHAEL ARONOVITCH B. A. LEVITAN C. M. BALLEM D. J. MACINTOSH C. S. BARKER R. G. BAXTER LESTER McCALLUM M. R. BECKLAKE C. J. MALLOY J. O. W. Brabander R. O. Morgen S. Brown M. Notkin LAUDER BRUNTON J. A. P. PARE R. A. CLEGHORN R. E. G. PLACE K. A. DOWDEN J. S. POLSON P. A. EDWARDS T. L. QUINTIN E. A. S. REID ALLEN GOLD LORNE SHAPIRO ALEC GORDON MURRAY STALKER R. G. M. HARBERT P. G. WEIL CECIL HARRIS G. E. WIGHT RONALD HOBKIRK D. H. WOODHOUSE A. W. LAPIN

Demonstrators

EVA ARENDT DAVID BARZA T. A. BROWN LLOYD CASWELL PARKER CHESNEY WILLIAM COHEN S. R. COOPER BASIL CUDDIHY I. H. DARRAGH N. M. K. DELEEUW J. B. Dossetor S. EIDINGER T. R. HALE G. E. JORON A. KNIGHT

W. A. R. LAING C. C. MACDONALD MELVIN McQUITTY D. M. MARCUS JOHN MARTIN ALEXANDER MILLER BERNARD POLLAK JACK H. RUBIN J. A. SHANKS C. H. STACEY R. L. STANFORD P. B. STEWART DAVID STUBINGTON JOSEPH WENER J. G. G. YOUNG

DAR (STIGROTH STOOTS V INVO THERAPEUTICS TO STE SOLITION INTERNAL

Associate Professors

C. W. FULLERTON J. G. HOWLETT

Lecturers

G. H. FISK A. MILLER

B. A. LEVITAN and a series of the series of

JERNATOLOGY TO THE DERMATOLOGY

Associate Professors L. P. EREAUX

R. R. FORSEY

Assistant Professors

G. E. CRAIG FREDERICK KALZ B. D. USHER

Demonstrators M. S. Cohen Paula Schopflocher P. P. TELNER

EXPERIMENTAL MEDICINE

Associate Professor ELEANOR H. VENNING

Assistant Professor

N.B. See Postgraduate Faculty Calendar.

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized-not only in the pre-clinical years, but later in hospital and laboratory-thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and Theatre Clinics are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1-INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last two terms of Second year: one lecture or clinic a week in the second term—two lectures a week and one amphitheatre clinic in the third term.

Place-Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2-A PRACTICAL COURSE IN CLINICAL METHODS

Time-Second and third terms of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic, the latter at the Montreal General Hospital.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of Second year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. E. McGarry and Assistants

THIRD YEAR NOTTANTENENS LANGUES AND PRACTICAL DEMONSTRATION TO THE THIRD YEAR NOTTANTENENS AND PRACTICAL DEMONSTRATION OF THE PRACTICAL DEMONSTRATION OF TH

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time-Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5-BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical term.

Place-The Royal Victoria and the Montreal General Hospitals.

COURSE III 6-CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students in this work.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM AND ENDO-CRINOLOGY

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

COURSE III 9—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting in Medicine.

FOURTH YEAR

COURSE IV 10-AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout the year.

Place—Alternately at the Royal Victoria and Montreal General Hospitals. Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the Third year.

COURSE IV 11—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during the medical term.

Place-Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE IV 12—CLINICAL PATHOLOGICAL CONFERENCE

Time-Once a week during the medical term.

Place-The Royal Victoria and the Montreal General Hospitals.

COURSE IV 13—CLINICAL THERAPEUTICS—PRACTICAL BEDSIDE INSTRUCTION

Time-Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE IV 14—A COURSE OF LECTURES IN MEDICINE

Time—One period a week throughout the year. Place—Medical Building.

Subject-Lectures in General Medicine to give a panorama of the subject.

COURSE IV 15-A COURSE OF 14 LECTURES IN DERMATOLOGY AND SYPHILOLOGY

Place-Medical Building.

COURSE IV 16-DERMATOLOGY AND SYPHILOLOGY-PRACTICAL INSTRUCTION

Time-Twice a week during one term.

Place—The Montreal General and Royal Victorial Hospitals.

COURSE IV 17—THERAPEUTICS

Eight theatre clinics to be given in the Teaching Hospitals during the course of the year. Therapeutic aspects will be correlated with other aspects of disease.

COURSE IV 18-CASE REPORTING

As in Third year during the medical term. Students will be expected to devote much of their time during the medical term observing on the wards or outdoor of the Teaching Hospital to which they are assigned, writing case reports, and following the progress of their cases with care. Teaching Fellows will be available to assist students in this work.

Place-Wards and Outdoor of the Royal Victoria and Montreal General Hospitals.

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: R. C. Cabot and F. D. Adams, Physical Diagnosis, 13th ed. (Wood 1942); R. B. H. Gradwohl, Clinical Laboratory Methods and Diagnosis, 5th ed. (Mosby 1956); T. H. Ham, ed., A Syllabus of Laboratory Examination in Clinical Diagnosis (Harvard Univ. Pr. 1952); Robt. Hutchison and Donald Hunter, Clinical Methods, 12th ed. (Lippincott 1949); S. S. Leopold, The Principles and Methods of Physical Diagnosis, 2nd ed. (Saunders 1957); McGill University, Dept. of Medicine, Guide to Medical Case Reporting, 2nd ed., 1943; R. H. Major and M. H. Delp, Physical Diagnosis, 5th ed. (Saunders 1956); J. C. Todd et al., Clinical Diagnosis by Laboratory Methods, 12th ed. (Saunders 1953); Harry Walker, Physical Diagnosis (Mosby 1952).

Physio-Pathology: C. H. Best and N. B. Taylor. The Physiological Basis of Medicine, 6th ed. (Williams and Wilkins 1955); Meyer Bodansky and Oscar Bodansky, Biochemistry of Disease, 2nd ed. N.Y. (Macmillan 1952); Abraham Cantarow and Max. Trumper, Clinical Biochemistry, 5th ed. (Saunders 1955); C. H. Gray, Clinical Chemical Pathology (Williams and Wilkins 1953); J. P. Peters and D. D. Van Slyke, Quantitative Clinical Chemistry, vol. 1: Interpretations, 2nd ed. (Williams and Wilkins 1946); W. A. Sodeman, Pathologic Physiology, 2nd ed. (Saunders 1956); Samson Wright, Applied Physiology, 9th ed. (Oxford 1952).

General Medicine: R. L. Cecil and R. F. Loeb, Textbook of Medicine, 9th ed. (Saunders 1955); J. J. Conybeare and W. N. Mann, Textbook of Medicine, 12th ed. (Livingstone 1957); T. R. Harrison, Principles of Internal Medicine, 2nd ed. (Blakiston 1954); J. C. Meakins, Practice of Medicine, 5th ed. (Mosby 1956); W. M. Yater, Fundamentals of Internal Medicine, 4th ed. (Appleton 1954).

Differential Diagnosis: W. M. Barton and W. M. Yater, Symptom Diagnosis, 4th ed. (Appleton 1942); T. D. Savill, System of Clinical Medicine, 12th ed. (Williams and Wilkins 1944).

Dermatology and Syphilology: R. W. MacKenna, Diseases of the Skin by R. M. B. MacKenna, 5th ed. (Williams and Wilkins 1952); Norman Tobias, Essentials of Dermatology, 5th ed. (Lippincott 1956); Norman Walker and G. H. Percival, Introduction to Dermatology, 12th ed. (Livingstone 1956).

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Miscellaneous Reference Books: G. G. Duncan, Diseases of Metabolism, 3rd ed. (Saunders 1952); C. K. Friedberg, Diseases of the Heart, 2nd ed. (Saunders 1956); E. P. Joslin, Diabetic Manual for the Doctor and Patient, 9th ed. (Lea and Febiger 1953); J. S. McLester and W. J. Darby, Nutrition and Diet in Health and Disease, 7th ed. (Saunders 1958); O. S. Ormsby and Hamilton Montgomery, Diseases of the Skin, 8th ed. (Lea and Febiger 1954); E. H. Rubin, Diseases of the Chest (Saunders 1947); Samuel Soskin, Progress in Clinical Endocrinology (Grune 1950); R. L. Sutton and R. L. Sutton, Diseases of the Skin, 11th ed. (Mosby 1956); H. B. Taussig, Congenital Malformations of the Heart (Oxford 1948); L. E. H. Whitby and C. J. C. Britton, Disorders of the Blood, 7th ed. (Churchill 1953); M. M. Wintrobe, Clinical Hematology, 4th ed. (Lea and Febiger 1956).

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman	WILDER PENFIELD
Professor of Neurology and Neurosurgery	THEODORE RASMUSSEN
Professor of Neurology	FRANCIS McNaughton
Professor of Experimental Neurology	HERBERT JASPER
Associate Professor of Experimental Neurolo	gy K. A. C. ELLIOTT
Associate Professor of Neurological Radiolog	
Assistant Professors of Neurology	J. B. R. Cosgrove D. L. Lloyd Smith Preston Robb W. F. T. Tatlow
Assistant Professor of Neuropathology	GORDON MATHIESON
Assistant Professors of Neurosurgery	HAROLD ELLIOTT ARTHUR ELVIDGE
Assistant Professor of Experimental Neurolo	gy PIERRE GLOOR
Lecturers in Neurology	BERNARD GRAHAM D. E. HOWELL REUBEN RABINOVITCH
Lecturer in Neurosurgery	GILLES BERTRAND
Lecturer in Experimental Neurology	HANNA PAPPIUS
Lecturer in Clinical Psychology	BRENDA MILNER
Demonstrators in Neurology	Irvin Heller Allan Morton Gordon Thompson

Demonstrators in Neurosurgery Ellis Keener

BY STUDIES BRANCH Antonio Aguilar

Demonstrator in Neuropathology

ANTONE TARAZI

Demonstrator in Electroencephalography Lewis Henderson

Fellows of the Montreal Neurological Institute:

FREDERICK ANDERMANN

J. Antonio Aguilar W. Stuart Heustis A. Maxwell House John A. Jane KENNETH KAPPHAHN

GENEVIÈVE ARFEL IESSE BARBER JERZY BIDZINSKI

EMIL BERGER ELLIS B. KEENER JOHN C. KENNADY ISRAEL LIBMAN

PERRY BLACK

DAVID BLOOM HUNTINGDON MAYOR JOHN BLUNDELL ROGER MORRELL MARY MORROW

EVERETT BOVARD CHARLES BRANCH PETER BRANDT WILLIAM A. BRYANS BETTY CHESTER

ALLAN MORTON ENRIQUE RAMON MOLINER PHANOR L. PEROT CONE PEVEHOUSE

FLOYD COOPER

SITESHENDRA NATH RAY J. P. CORDEAU RICHARD ROVIT D. S. Dadhich Hugh Samson

VIJAY DAVE IOHN GARNER HENRY GARRETSON

LUCJAN STEPIEN SHIRLEY FYLES VERONIQUE SUSSETT PRAKASH TANDON ANTONE TARAZI GORDON THOMPSON

DANIEL GONZALEZ D. R. GULATI IAN GYBELS

CRISTIAN VERA SHINJIRO YAMAMOTO

SECOND YEAR

ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM (Anatomy 2A 2 and Physiology 2). Two hours lecture, two hours laboratory and one hour demonstration per week, during the second term.

> This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, Physiology and Psychology.

Professors McNaughton, Jasper, Burns and Hebb

- NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 2 lectures. Department of Medicine, Course II, 1. Professor Rasmussen
- NEUROLOGICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre 2C clinics. M.G.H. Department of Medicine. Dr. Tatlow

THIRD YEAR

SURVEY OF NEUROLOGY AND NEUROSURGERY. 23 lectures. Saturdays. 8:45 to 9:40. M.N.I. Amphitheatre.

Professors Rasmussen, McNaughton and staff

FOURTH YEAR

NEUROLOGICAL AND NEUROSURGICAL CLINICS. 19 lecture clinics. 4A Saturdays, 10:00 to 11:00. M.N.I. Amphitheatre.

Professors Cone, Robb and staff

- 4B-1 CLINICAL DEMONSTRATIONS. R.V.H. Outpatient Department. Monday Professor McNaughton and Assistants and Thursday, * 2:00 to 3:00.
- Wednesdays, 8:45 to 9:45 a.m. M.N.I. 4C-1 NEUROLOGY WARD CLASSES. Professor McNaughton and Assistants (R.V.H. group)
- CLINICAL DEMONSTRATIONS. M.G.H. Outpatient Department. Mon-4B-2 Dr. Tatlow and Assistants days and Fridays, 2:00 to 3:00. and 4C-2
- M.N.I. (R.V.H. group) Mondays, 4D-1 NEUROSURGERY WARD CLASSES. Professor Cone and Assistants 1:00 to 2:00.
- 4D-2 NEUROSURGERY WARD CLASSES. M.N.I. (M.G.H. group) Thursdays, Professor Elvidge and Assistants 1:00 to 2:00.
- NEUROLOGY SEMINAR. Wednesdays, 2:00 to 3:00. M.N.I. (M.G.H. Professor McNaughton and Assistants group)
- M.G.H. Outpatient Department. Fridays, 4E-2 NEUROLOGY SEMINAR. Dr. Tatlow and Assistants 3:00 to 4:00. (M.G.H. group)

Fourth year students in Medicine at the Royal Victoria Hospital are assigned some neurological cases in the Montreal Neurological Institute for case reporting.

ELECTIVE COURSES

- A. SEMINAR IN NEUROANATOMY, M.N.I.
 - 1. This course in given in combination with course Med. 2A "Anatomy and Physiology of the Central Nervous System"-September to end of November.
 - 2. Additional graduate seminars will be held co-ordinated with Course B.
 - 3. Graduate students are expected to pass the same examination which is given in undergraduate course Med. 2A, but with higher standing, Professor McNaughton and to act as demonstrators.

^{*}Two Thursdays per month only.

- 4. Advanced Neuroanatomy for selected group; times to be arranged.

 Professor McNaughton
- B. SEMINAR IN NEUROPHYSIOLOGY.
 - Lectures and examination together with undergraduate course Med. 2A "Anatomy and Physiology of the Central Nervous System"
 - Weekly seminars and demonstrations co-ordinated with Course A-2 (4 months, beginning in December). Mondays, 4:30 to 6:00 p.m.
 - Under exceptional circumstances, a paper on a neuro-physiological subject may be written by special arrangements as a substitute for B-1.

Professors Jasper, Elliott and Gloor

- C. COLLOQUIUM IN CLINICAL NEUROLOGY.
 - 1 hour weekly, clinics and lectures, Wednesdays, 5:00 p.m. M.N.I. (9 months).

 Staff and Visiting Lecturers
- D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL ELECTRO-ENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE.
 - M.N.I. 1½ hours weekly (9 months). Tuesdays, 4:30 to 6:00 p.m. Professors Penfield, Rasmussen, Jasper, McNaughton and McRae
- E. OUTLINE OF NEUROCHEMISTRY
 Instruction in neurochemistry in addition to that provided in course
 B-2 may be obtained by special arrangement.

 Professor Elliott
- F. NEUROPATHOLOGY.
 - 1. Six months laboratory work in surgical neuropathology.
- 2. Conference in neurosurgical pathology, Friday 5-6 p.m.

Professor Cone

- 3. Six months laboratory work in neuropathology.
- 4. Conference in neurological pathology, alternate Thursdays 4:30 to 6:00 p.m. Professor Mathieson
- 5. Introduction to Histopathology of the Nervous System. A short basic course for a limited number. By special arrangement with Professor Mathieson.

For graduate credit, courses Nos. 2 and 4 are required and either No. 1 or No. 3 as arranged with the staff. Under special circumstances, written and/or oral examinations may be substituted for No. 1 or No. 2 of the above courses for students who have taken course 5.

- G. NEUROLOGICAL RADIOLOGY.
 - Lecture demonstrations (3 months beginning in September). Mondays 4:30 to 6:00 p.m.

2. Colloquium, 1 hour weekly (9 months) Mondays, 9:00 a.m. Professor McRae

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor

G. B. MAUGHAN, Chairman

Assistant Professors

W. R. FOOTE J. P. A. LATOUR K. T. MACFARLANE THOMAS PRIMROSE G. A. SIMPSON D. W. Sparling G. I. STREAN

Lecturers

GRACE DONNELLY MYER HENDELMAN J. L. MACARTHUR

J. H. ROUTLEDGE F. J. TWEEDIE

Demonstrators

P. R. BLAHEY I. R. Dodds SIMON GOLD

J. S. HENRY H. B. BOURNE E. A. MACCALLUM HARRY OXORN JOSEPH PORTNUFF

The course is arranged to impart a practical knowledge of Obstetrics, Gynaecology, and the Care of the New-born. The value of close observation of the patient in the normal and the abnormal state is stressed.

The privilege of serving as an interne in the hospital for two weeks, treating the patients from the time of admission till discharge from hospital, is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of five, during this period. Individual instruction is given by the Staff.

REQUIRED COURSES

SECOND YEAR-

Twelve lectures are given as an introduction to the subject. These lectures are on the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

Professor Maughan

THIRD YEAR -0 old no moving one given on the d-name (Indiana)

OBSTETRICS

- 1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour, and the puerperium.

 Senior members of the Staff
- Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

 Members of Staff
- 3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

 Members of Staff
- 4. Six seminars on principles and theory of obstetrics. Members of Staff
 - 5. Six classes to demonstrate the care of the newborn.

Dr. G. Nickerson and Assistants

GYNAECOLOGY

- 1. Five lectures to describe the more common gynaecological diseases

 Professor Ward and Assistants
 - 2. Thirty-six demonstrations or lectures at the bedside or in the outpatient department, to demonstrate the diagnosis and treatment of gynaecological disorders.

 Professor Ward and Assistants

FOURTH YEAR-

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OBSTETRICS

- 1. Thirty-four clinical demonstrations to illustrate the management of obstetrical complications.

 *Professor Maughan**
- 2. Group ward rounds once a week to present the current interesting cases.

 Professor Maughan and Dr. Primrose
- 3. Twenty-four hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.

 Senior members of the Staff
- 4. Facilities are presented for attending sixteen antenatal clinics.

Members of the Staff

- 5. Four hours of Manikin instruction.
- Members of the Staff
- 6. Four lectures on Newborn Paediatrics together with eight demonstrations in the nurseries.

 Dr. G. Nickerson and Assistants

GYNAECOLOGY

1. Twelve bedside clinics to be given in the gynaecology wards.

Senior members of the Staff

2. Eight lecture-demonstrations in Gynaecological Pathology.

Dr. Latour and Assistants

- 3. Four hours of clinical instruction are given on the diagnosis and treatment of genital cancer.

 Dr. Latour
- 4. Facilities are extended for attending sixteen gynaecology outpatient clinics.

 Members of the Staff
- 5. Four revision seminars on Clinical Endocrinology.

Members of the Staff

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Obstetrics Text and Reference Books: A. C. Beck and A. H. Rosenthal, Obstetrical Practice, 6th ed. (Williams and Wilkins 1955); J. B. De Lee, and J. P. Greenhill, Obstetrics, 11th ed. (Saunders 1955); G. F. Gibberd, A Short Textbook of Midwifery, 6th ed. (Churchill 1955); J. W. Williams, and N. J. Eastman, Obstetrics, 11th ed. (Appleton 1956).

Gynaecology Text and Reference Books: A. H. Curtis and J. W. Huffman, Textbook of Gynecology, 6th ed. (Saunders 1950); Diseases of Women by Ten Teachers, ed. by R. W. Roques, 9th ed. (Williams and Wilkins 1953); Emil Novak and E. R. Novak, Textbook of Gynecology, 5th ed. (Williams and Wilkins 1956); Wilfred Shaw and John Howkins, Textbook of Gynaecology, 7th ed. (Churchill 1956).

DEPARTMENT OF OPHTHALMOLOGY

Professor JOHN C. LOCKE, Chairman

Associate Professor BENJAMIN ALEXANDER

Assistant Professors J. V. V. NICHOLLS
R. J. VIGER

Lecturers S. T. Adams
L. S. S. KIRSCHBERG

WHALAM TURNBULL

WILLIAM TURNBULL

Demonstrators

R. A. BOURNE

I. B. CONPON

J. B. CONROY HUGH DUNCAN SEAN B. MURPHY R. W. PEARMAN R. B. RAMSAY

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth years of the Medical course:

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class is small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.

2. LECTURES TO ENTIRE CLASS

This course covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Eleven hours.

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of seven, each group receiving twenty hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Textbooks: S. R. Gifford and F. H. Adler, Textbook of Ophthalmology, 6th ed. (Saunders 1957); May and Worth's Manual of Diseases of the Eye, 11th ed. (Bailliere 1954); Eugene Wolff, Anatomy of the Eye and Orbit (Blakiston 1954); Eugene Wolff, Pathology of the Eye, 2nd ed. (Blakiston 1945).

Reference Books: W. S. Duke-Elder, Textbook of Ophthalmology (Mosby 1932-54) 7 vols.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor

W. J. McNALLY, Chairman

Assistant Professors E. R. HARFORD

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Lecturers

H. E. McHugh F. W. SHAVER

Demonstrators

I. D. BAXTER ARNOLD GROSSMAN R. W. Hyde G. T. SHIMO E. John Smith

Instruction in Oto-Laryngology is given to students of the Third and Fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 6 demonstrations is given to students of the Third year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Twelve practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Text and Reference Books: H. C. Ballenger and J. J. Ballenger, A Manual of Otology, Rhinology and Laryngology, 4th ed. (Lea and Febiger 1954); L. R. Boies, Fundamentals of Otolaryngology, 2nd ed. (Saunders 1954); Chevalier Jackson and C. L. Jackson, Bronchoesophagology (Saunders 1950); Chevalier Jackson and C. L. Jackson, Diseases of the Nose, Throat and Ear, 2nd ed. (Saunders 1957); W. W. Morrison, Diseases of the Ear, Nose and Throat, 2nd ed. (Appleton 1955); St. Clair Thomas and V. E. Negus, Diseases of the Nose and Throat, 6th ed. (Cassell 1955); A. Logan Turner, Diseases of the Nose, Throat and Ear, 5th ed. (Wright 1952); T. G. Wilson, Diseases of the Ear, Nose and Throat in Children (Heinemann 1955); G. D. Wolf, Ear, Nose and Throat (Lippincott 1947).

DEPARTMENT OF PAEDIATRICS

Professor	ALAN Ross, Chairman
Associate Professors	R. L. DENTON A. K. GEDDES E. M. WORDEN
Assistant Professors	A. L. JOHNSON P. N. MACDERMOT
Lecturers	BEN BENJAMIN
Demonstrators	T. A. COWAN
	S. I. DOUBILET F. CLARK FRASER J. E. GIBBONS R. B. GOLDBLOOM VICTOR C. GOLDBLOOM

R. GOURDEAU ELEANOR HARPUR D. A. HILLMAN DAVID KLEIN FRANCES MCCALL D. R. McCrimmon G. H. NICKERSON Sydney Pedvis PIERRE SENECAL FREDERICK SHIPPAM HYMAN SURCHIN W. W. TIDMARSH S. I. USHER ISOBEL WRIGHT

Teaching Fellow

P. BANISTER H. R. BRODIE J. H. ELDER ELIZABETH HILLMAN A. I. MARKUS

REQUIRED COURSES

LECTURES

- (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS
 - In the course of fourteen periods with the First year class, a child psychiatrist and a pediatrician collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development are discussed from the broadest possible point of view.
 - (b) An introductory course of 12 lectures in the winter term of the Second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects. Some of these lectures, too, have lent themselves to a combined presentation by a psychiatrist and a pediatrician.
 - (c) A series of 36 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc.
- 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY
 - (a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.

- (b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.
- (c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics.

Staff

3. CLINICAL PAEDIATRICS

- (a) Groups during the final year spend eight weeks entirely at the Montreal Children's Hospital as clinical clerks taking part in bedside clinical conferences and, under supervision, caring for patients in the outpatient department.
- (b) The care and feeding of the normal infant, immunization procedure, and preventive pediatrics are taught at child health clinics.

 Staff
- (c) A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

 Professor Worden

This teaching paogramme is subject to revision on the adoption of a new curriculum now under study.

Textbooks: W. E. Nelson, Textbook of Pediatrics, 6th ed. (Saunders 1954); D. H. Paterson and J. F. McCreary, Pediatrics (Lippincott 1956).

Reference Books: J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk. Pubs. 1956); A. G. DeSanctis and Chas. Varga, Handbook of Pediatric Medical Emergencies, 2nd ed. (Mosby 1956); J. L. Gamble, Chemical Anatomy, Physiology and Pathology of Extracellular Fluid (Harvard Univ. Pr. 1954); A. L. Gesell, The Embryology of Behavior, the Beginnings of the Human Mind (Harper 1945); Morris Green and J. B. Richmond, Pediatric Diagnosis (Saunders 1954); Leo Kanner, Child Psychiatry, 3nd ed. (Thomas 1957); J. D. Keith, R. D. Rowe and Peter Vlad, Heart Disease in Infancy and Childhood, N.Y. (Macmillan 1958); C. A. Smith, The Physiology of the Newborn Infant, 2nd ed. (Thomas 1951); Lawson Wilkins, Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence, 2nd ed. (Thomas 1957).

INSTITUTE OF PARASITOLOGY

Professor T. W. M. CAMERON, Director

Associate Professors D. Fairbairn
M. Laird

Assistant Professors R. P. Harpur G. A. Schad

C. E. TANNER

Research Associates G. Lubinsky E. MEEROVITCH G. A. WEBSTER

REQUIRED COURSES

SECOND YEAR

The animal parasites of man (protozoa, helminths and arthropods) are considered as an integral part of the Second year course in Medical Microbiology (see p. 1622). Exotic parasites are discussed briefly.

ELECTIVE COURSES

The Institute not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Pr. 1956).

DEPARTMENT OF PATHOLOGY

Strathcona Professor G. C. McMillan, Chairman

Associate Professors

J. E. PRITCHARD A. C. RITCHIE F. W. WIGLESWORTH

Assistant Professors D. S. KAHN W. H. MATHEWS W. PIROZYNSKI

Lecturers

G. MATHIESON S MOORE SUSAN RITCHIE

PAULA H. SCHOPFLOCHER M. A. SIMON

J. R. STUART

Demonstrator

J. P. LATOUR

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (FIRST YEAR)

A. Lectures with epidiascopic and microscopic demonstrations during the Spring term totalling 36 hours.

Professors McMillan and Ritchie

- B. Practical laboratory classes during the Spring term totalling 72 hours. Professor Pirozynski with Demonstrators
- 2. COURSE IN SPECIAL PATHOLOGY (SECOND AND THIRD YEARS) (To be revised)
 - A. Lectures during the Spring term of Second year and throughout the third year totalling 96 hours. Professor McMillan and Staff
 - B. Two practical laboratory classes per week during the Winter and Spring terms of the Third year totalling 96 hours. Staff and Demonstrators
 - C. One demonstration of gross pathological material per week to students in small groups throughout the Third year totalling 36 hours. Lecturers and Demonstrators
- 3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours). Professor McMillan
 - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute Montreal General Hospital

Professor Pirozynski Professor Mathews Montreal Children's Hospital Professor Wiglesworth

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Textbooks: W. A. D. Anderson, Pathology, 3rd ed. (Mosby 1957); Wm. Boyd, A Textbook of Pathology, 6th ed. (Lea and Febiger 1953); H. T. Karsner, Human Pathology, 8th ed. (Lippincott 1955); R. A. Moore, Textbook of Pathology, 2nd ed. (Saunders 1951); G. P. Wright, Introduction to Pathology, 2nd ed. (Longmans 1954).

Reference Books:

General: Wm. Boyd, Pathology for the Surgeon 7th ed. (Saunders 1955); Wm. Boyd, Pathology for the Physician, 6th ed. (Lea and Febiger 1958); W. D. Forbus, Reaction to Injury (Williams and Wilkins 1943-52), 2 vols.; R. F. Ogilvie, Pathological Histology, 5th ed. (Livingstone 1957); R. A. Willis, Pathology of Tumours, 2nd ed. (Butterworth 1953).

Special: G. D. Lumb, Tumours of Lymphoid Tissue (Livingston 1954); I. H. Biggart, Pathology of the Nervous System, 2nd ed. (Livingstone 1949); W. J. Freeman, Neuropathology (Saunders 1933); Emil Novak, Gynecologic and Obstetrical Pathology, 3rd ed. (Saunders 1952); Sidney Farber, Portmortem Examination (Thomas 1937); Otto Saphir, Autopsy Diagnosis and Technic, 3rd ed. (Hoeber 1951).

DEPARTMENT OF PHARMACOLOGY

Professor K. I. MELVILLE, Chairman

Associate Professor D. R. Wood

Assistant Professor B. G. Benfey

Lecturer G. E. JORON

Teaching Fellow and Lecturer N. R. EADE

Demonstrators Mark Segal H. E. Shister

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

CONFERENCES

During the year four conferences of 45 minutes each and limited to six students, will be arranged. These conferences will replace the regular laboratory periods at the times specified.

LECTURE-DEMONSTRATIONS

In conjunction with the Department of Medicine (Therapeutics) a series of six (6) one hour lecture-demonstrations is held in the Teaching Hospitals during the course. These are designed to present selected clinical cases illustrating practical applications of drug usage.

2. TOXICOLOGY

A course of ten lectures devoted to the problems of acute poisoning (occurrence, symptoms, modifying factors, diagnosis and treatment), is given during the 3rd term of the Second year.

Dr. G. E. Joron

Textbooks: Harry Beckman, Drugs, their Nature, Action and Use (Saunders 1958); A. J. Clark, Applied Pharmacology, 8th ed., rev. by Andrew Wilson and H. O. Schild (Churchill 1952); V. A. Drill, Pharmacology in Medicine, 2nd ed. (McGraw-Hill 1958); L. S. Goodman and A. Z. Gilman, Pharmacological Basis of Therapeutics, 2nd ed. (Macmillan 1955); J. C. Krantz and C. J. Carr, Pharmacologic Principles of Medical Practice, 3rd ed. (Williams and Wilkins 1954).

ELECTIVES

Suitably prepared students may undertake special research or training projects under direction of a staff member at any time, by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, Chairman

Professors

A. S. V. BURGEN

Assistant Professors

B. D. Burns
Simon Dworkin

BERNICE GRAFSTEIN

PAUL SEKELJ

KATHLEEN G. TERROUX

Lecturers

J. Q. BLISS
CARL PINSKY
E. J. REININGER
O. M. SOLANDT

Sessional Lecturer

HYMAN WEINER

REQUIRED COURSES

FIRST YEAR

BIOCHEMISTRY—PHYSIOLOGY 1.

Monday to Saturday, at 9 a.m.

BIOCHEMISTRY—PHYSIOLOGY 1D.

Demonstrations and films: one hour a week.

BIOCHEMISTRY—PHYSIOLOGY 1L.

Laboratory: six hours a week.

Three hours a week, from October.

This is an integrated course of lectures, demonstrations and laboratory work, given by the two departments.

INTRODUCTION TO MEDICINE

One hour a week, from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM Two hours lecture, two hours laboratory, and one hour demonstration

a week, during the first term. Another and an apprisal of the

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

ELECTIVE COURSE

1E. SELECTED TOPICS IN PHYSIOLOGY

These are discussed from the point of view of current research in the Department.

3 hours a week.

DEPARTMENT OF PSYCHIATRY

Professors D. E. CAMERON, Chairman A. E. Moll

Associate Professors

R. A. CLEGHORN T. E. DANCEY H. LEHMANN R. B. MALMO W. CLIFFORD M. SCOTT BARUCH SILVERMAN E. D. WITTKOWER TAYLOR STATTEN

Assistant Professors

S. Albert J. Aufreiter H. AZIMA
T. J. BOAG
C. BOS
V. A. KRAL
A. W. MACLEOD
C. A. ROBERTS
M. SAFFRAN
T. L. SOURKES

Lecturers

FRIEDL AUFREITER L. G. HISEY R. C. A. HUNTER S. BARZA H. KRAVITZ JACQUES BEAUBIEN M. K. BIRMINGHAM ALAN MANN L. MERGLER C. H. CAHN G. L. SARWER-FONER HYMAN CAPLAN BRUNO CORMIER C. H. SKITCH C. C. SMITH H. B. DUROST MANUEL STRAKER P. G. EDGELL G. C. TAYLOR N. EPSTEIN B. GRAD SAUL WILNER R. C. M. HAMILTON

Sessional Lecturer MIGUEL PRADOS

Demonstrators

G. C. Curtis

K. Ferguson

J. L. Frazee

G. Hanrahan

Brian Hunt

W. G. Krauser

D. Levin

L. Levy

Eva Libman

J. Naiman

A. Russel

J. C. Stanley

REQUIRED COURSES

FIRST YEAR

GROWTH, DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures in psychobiology. The remaining hours of the course will include technique of child examination, diagnosis of child psychiatric states, child psychiatric problems as seen in various treatment facilities, including paediatrics out-patient clinic.

Professors Cameron, Statten, Ross (Paediatrics) and Staffs

SECOND YEAR

Two courses of lectures: (a) 12 1-hour lectures on psychopathology; (b) 12 2-hour sessions on psychiatric case studies, with case presentation.

Professors Roberts, Lehman and Staff

THIRD YEAR

Six weeks block teaching, distributed among six teaching centres, to acquaint students with the examination of patients and understanding of some of the major factors involved in abnormal behaviour. Diagnostic procedures, psychotherapeutic and physical methods of treatment, will be among the aspects covered. During this year students will be provided with tutors on a group basis and will also have more specialized training in the areas of child psychiatry, community psychiatry and mental disorders.

Professors Cameron, Moll, Dancey, Roberts, Statten, Silverman and Staffs

FOURTH YEAR

The teaching in this year will be largely focused on clerkship. Students will attend tutorials, ward rounds, seminars, conferences, etc., at the Allan Memorial Institute, Montreal General Hospital and Queen Mary Veterans Hospital.

Professors Cameron, Moll, Dancey and Staffs

DEPARTMENT OF RADIOLOGY

Professor CAR	RLETON B. PEIRCE, Chairman
Associate Professors	J. J. L. Bouchard
	D. L. McRae
	D. J. SIENIEWICZ
Assistant Professors	E. F. CRUTCHLOW
	J. S. Dunbar
	R. G. Fraser
Assistant Professor	
of Physics	L. G. Stephens-Newsham
Lecturers	N. M. Brown
	B. B. HALE
	M. N. LOUGHEAD
Demonstrators	D. Berger
	F. A. GRAINGER
	J. J. HAZEL
	T D M D
	T. F. B. PHILIPS

FIRST YEAR

In co-operation with the Department of Anatomy, illustrative demonstrations for the course in "Living Anatomy" are available on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, especially in regard to functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Teaching Hospitals. The fluoroscopic and rentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with clinical methods in physical examination.

noissaurions at all losoit saudens of the state of Professor Peirce and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general principles of radiation physics, systemic roentgen pathology and the therapeutic use of ionizing radiations.

Professor Peirce and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

Conference periods, two hours weekly each quarter, during which the students assigned to Internal Medicine, Paediatrics and Surgery in the several Teaching Hospitals discuss clinical case material with the members of the Department.

Professors Peirce, Bouchard, Sieniewicz and Staff

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Text and Reference Books: A. E. Barclay, The Digestive Tract, 2nd ed. (Camb. Univ. Pr. 1936); J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk.Pubs. 1956); Otto Glasser, et al., Physical Foundations of Radiology, 2nd ed. (Harper 1952); Ross Golden, et al., Diagnostic Roentgenology (Nelson 1936-41, 3 vols.); F. J. Hodges, et al., Radiology for Medical Students, 2nd ed. (Year Bk. Pubs. 1954); G. W. Holmes, and L. L. Robbins, Roentgen Interpretation. 8th ed. (Lea and Febiger 1955); Alban Kohler, Roentgenology, 2nd ed. (Bailliere 1935); Isadore Meschan, An Atlas of Normal Radiographic Anatomy (Saunders 1951); Isadore Meschan, Roentgen Signs in Clinical Diagnosis (Saunders 1956); H. K. Pancoast, E. P. Pendergrass, and J. P. Schaeffer, Head and Neck in Roentgen Diagnosis (Thomas 1940); E. A. Pohle, Theoretical Principles of Roentgen Therapy (Lea and Febiger 1938); L. G. Rigler, Outline of Roentgen Diagnosis (Lippincott 1938); LeRoy Sante, Principles of Roentgenological Interpretation, 9th ed. (Edwards 1952); S. C. Shanks and P. J. Kerley, Textbook of X-ray Diagnosis, 2nd ed. (Saunders 1950-51, 4 vols.); 3rd ed. vol. 1 1957; M. B. Wesson, Urologic Roentgenology, 3rd ed. (Lea and Febiger 1950).

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals in conjunction with the Diploma Course for selected graduates of approved Faculties or Schools of Medicine.

DEPARTMENT OF SURGERY

Professors	H.	R.	ROBERTSON,	Chairman
			D. R.	WEBSTER

Associate	Duefaccous
Associate	Professors

S. J. MARTIN

D. R. MURPHY

Assistant Professors

J. C. LUKE

S. G. BAXTER
C. M. GARDNER
I. W. GERRIE

F. N. GURD

G. A. HOLLAND

J. R. McCorriston C. A. McIntosh

E. A. MacNaughton H. S. Morton

H. F. Moseley
J. D. Palmer

Lecturers

H. A. BAXTER W. M. COUPER J. C. DICKISON G. D. LITTLE

F. D. ACKMAN

J. C. SUTTON A. M. VINEBERG F. M. WOOLHOUSE

Demonstrators

A. R. Bazin
H. E. Beardmore
J. A. Drummond
M. A. Entin
R. L. Estrada
J. F. Hopkirk
A. F. Jones

G. M. KARN

R. N. LAWSON
R. C. LONG
H. F. OWEN
D. W. RUDDICK
H. J. SCOTT
ISRAEL SHRAGOVITCH
J. L. SHUGAR
E. J. TABAH
A. G. THOMPSON

ORTHOPAEDIC SURGERY

Assistant Professors J. G. Petrie

J. G. SHANNON

A. A. BUTLER J. A. L. WALKER

Demonstrators

J. M. McIntyre ROBERT G. TOWNSEND C. Laird Wilson

UROLOGY

Assistant Professor

R. G. REID

Lecturers

S. A. MACDONALD J. T. MACLEAN

Demonstrators

K. J. MACKINNON C. A. Moore

REQUIRED COURSES-

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- *3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals. Four times a week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

- *4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. It is compulsory that every student must be in residence for a period of one week at either the Montreal General Hospital or the Royal Victoria Hospital during the term in Surgery.
 - *Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course

SURGICAL DISEASES OF CHILDREN —

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY — The second state of the

FOURTH YEAR TOTAL THE STITLE AT THE STITLE OF THE STITLE O

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.
- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

UROLOGY -

FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.
- 4B. UROLOGICAL CLINICS. Ward classes.

 The Montreal General Hospital—3 classes a week.

 Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

This teaching programme is subject to revision on the adoption of a new curriculum now under study.

Textbooks:

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General Surgery: Ian Aird, Companion in Surgical Studies, 2nd ed. (Livingstone 1956); Hamilton Bailey, Demonstration of Physical Signs in Clinical Surgery, 12th ed. (Williams and Wilkins 1954); Christopher's Minor Surgery, ed. by Alton Ochsner and M. E. DeBakey, 7th ed. (Saunders 1955); Frederick Christopher, Textbook of Surgery, 6th ed. (Saunders 1956); W. H. Cole and Robt. Elman, Textbook of General Surgery, 6th ed. (Appleton 1952); John Homans, Textbook of Surgery, 6th ed. (Thomas 1945); H. F. Moseley, Textbook of Surgery, 2nd ed. (Mosby 1955).

Surgical Anatomy: A. Lee McGregor, Synopsis of Surgical Anatomy, 7th ed. (Williams and Wilkins 1952).

Fractures and Dislocations: R. Watson Jones, Fractures and Joint Injuries, 4th ed. (Livingstone 1952-1955), 2 vols.

Case Reporting: J. Renfrew White, The Clinical Examination of Surgical Cases (Macmillan 1924).

Urology: M. F. Campbell, Urology (Saunders 1954), 3 vols.; F. H. Colby, Essential Urology, 3rd ed. (Williams and Wilkins 1956); D. N. Eisendrath and H. C. Rolnick, Urology, 4th ed. (Lippincott 1938).

Orthopaedic Surgery: W. C. Campbell, Operative Orthopaedics, 3rd ed. (Mosby 1956), 2 vols.; Walter Mercer, Orthopaedic Surgery, 4th ed. (Williams and Wilkins 1950).

GRADUATE INSTRUCTION-

- 1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
- 2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do, The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGill University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 515 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The

course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is \$250, or \$100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS -

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 90,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy. and the Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

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ical on Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University

Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital
Montreal General Hospital
Montreal Children's Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

- 1. The Royal Victoria Hospital proper, or the Main Building;
- 2. The Ross Memorial Pavilion for private patients;
- 3. The Women's Pavilion-Royal Victoria Montreal Maternity;
- 4. The Allan Memorial Institute.

The total bed complement is 919, with 96 bassinets. Admissions total approximately 20,000 and confinements are in excess of 3,000 a year. There are some 80,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 106.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital is a general hospital of 750 beds for the treatment of acute diseases. In a typical year, there were approximately 18,000 admissions, while out-patient consultations for the same period approximated 150,000. The resident and interne staff numbers 150.

The "Montreal General" was founded in 1821; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The present building on Cedar Avenue was occupied in 1955.

The Montreal Children's Hospital has 291 public beds, and, in a typical year, admitted 6,000 patients. The attendance at its out-door department totalled over 60,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 151-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

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Honorary Librarian

LLOYD G. STEVENSON

The Library, now of nearly 90,000 bound volumes, originally occupied the central front section of the medical building but has expanded its stack area to the north side on the two lower floors.

The Reading Room with accommodation for seventy-five people is on the third floor with a small periodical room adjacent. The second floor contains the stacks for bound journals and has three study rooms for use of members of the teaching staff. The first floor is devoted to administration and technical operations.

The chief value of the Library is in its periodical collection. Over 1,500 journals are subscribed to currently and many are received by gift. Journal literature in almost all languages is well represented. The book collection is especially noteworthy in the ophthalmological section due in large measure to many gifts from the late Dr. Casey A. Wood.

The Library is for members of the teaching staff and students of the Faculty, and of the whole University, and for research workers and doctors in the city. An extensive interlibrary loan service throughout the country is maintained and books and journals are sent to doctors who are not near a library on payment of postage charges.

The Library is open during the academic session from Monday to Friday, 9 a.m. to 10 p.m.; Saturday 9 a.m. to 5 p.m. After June 15th the hours are 9 a.m. to 5 p.m. Monday to Friday, closed Saturday.

There are also small collections of books and journals located in several of the Departments of the Faculty.

THE OSLER LIBRARY

Librarian

W. W. FRANCIS

Assistant Librarian

LLOYD G. STEVENSON

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 12,500 volumes, occupies a large room, beautifully equipped, on the fourth floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works, and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 150 books printed in the fifteenth century. Recently the Wellcome Trust has given generous annual grants for the purchase of expensive books to fill gaps in the Osler collection.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body;
 - (2) To stimulate interest along medical lines;
 - (3) To assist students to express themselves in public with facility;
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.
- (5) To organize, during the course of the school year certain outside activities such as the annual Medical Banquet and Ball.

Monthly meetings are held at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

The society also maintains the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the meomry and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature not to the discussion. Each year an Honorary President has been elected from this older group.

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The annual meeting is the last meeting in the soring when the following others are installed: ifou, fresident (elected from the Faculty), fresident, vices resident electary, Assistant Scordary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty), there differs are elected by ballot one week hadors the sunsal meeting.

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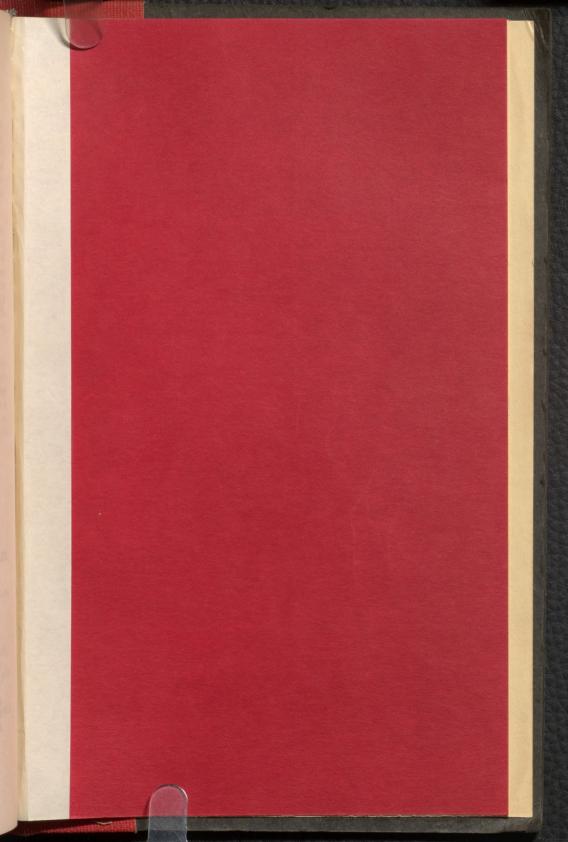
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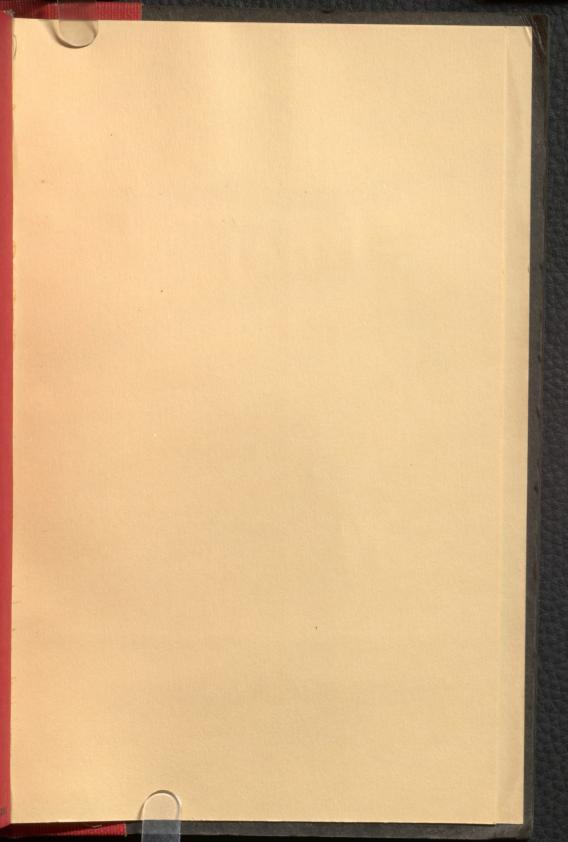
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